

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: El Paso E&P Company, L.P. c/o H&B Petroleum Consultants		9. WELL NAME and NUMBER: Bournakis 3-18B4	
3. ADDRESS OF OPERATOR: PO Box 847 CITY Mills STATE WY ZIP 82644		10. FIELD AND POOL, OR WILDCAT: Altomont/BlueBell 55	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 976' FSL & 1544' FEL <i>553153x 40.303084</i> AT PROPOSED PRODUCING ZONE: <i>44613754 110.374553</i>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 18 T2S R4W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 10 Miles North of Duchesne, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 976'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 640 pooled	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2,600'	19. PROPOSED DEPTH: 13,800	20. BOND DESCRIPTION: 400JU0708	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6,521' ungraded ground	22. APPROXIMATE DATE WORK WILL START: Upon Approval	23. ESTIMATED DURATION: 56 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2	13 3/8 J-55 54.5 lb	800	Class G 60 sx 1.15cuft/sx 15.6 lb/gal
12 1/4	9 5/8" N-80 40 lb	5,800	Lead: Prem Lite 630 sx 3.2cu/ft/sx 11 lb/gal
			Tail: Class G 160 sx 1.25 cuft/sx 14.4 lb/gal
8 3/4	5 1/2" HCP 110 17 lb	0-10,600	
	5 1/2" P-110 20 lb	10,600- 13800	Class G 760 sx 1.86 cuft/sx 13.5 lb/gal

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

CONFIDENTIAL

NAME (PLEASE PRINT) Michael L. Brown TITLE Agent for El Paso E&P Company, L.P.

SIGNATURE *Michael L Brown* DATE 9-6-2008

(This space for State use only)

Approved by the
**Utah Division of
Oil, Gas and Mining**

RECEIVED

SEP 22 2008

DIV. OF OIL, GAS & MINING

API NUMBER ASSIGNED: 43013-34091

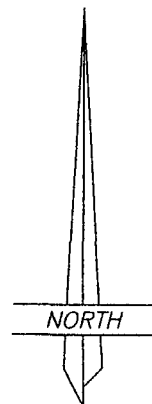
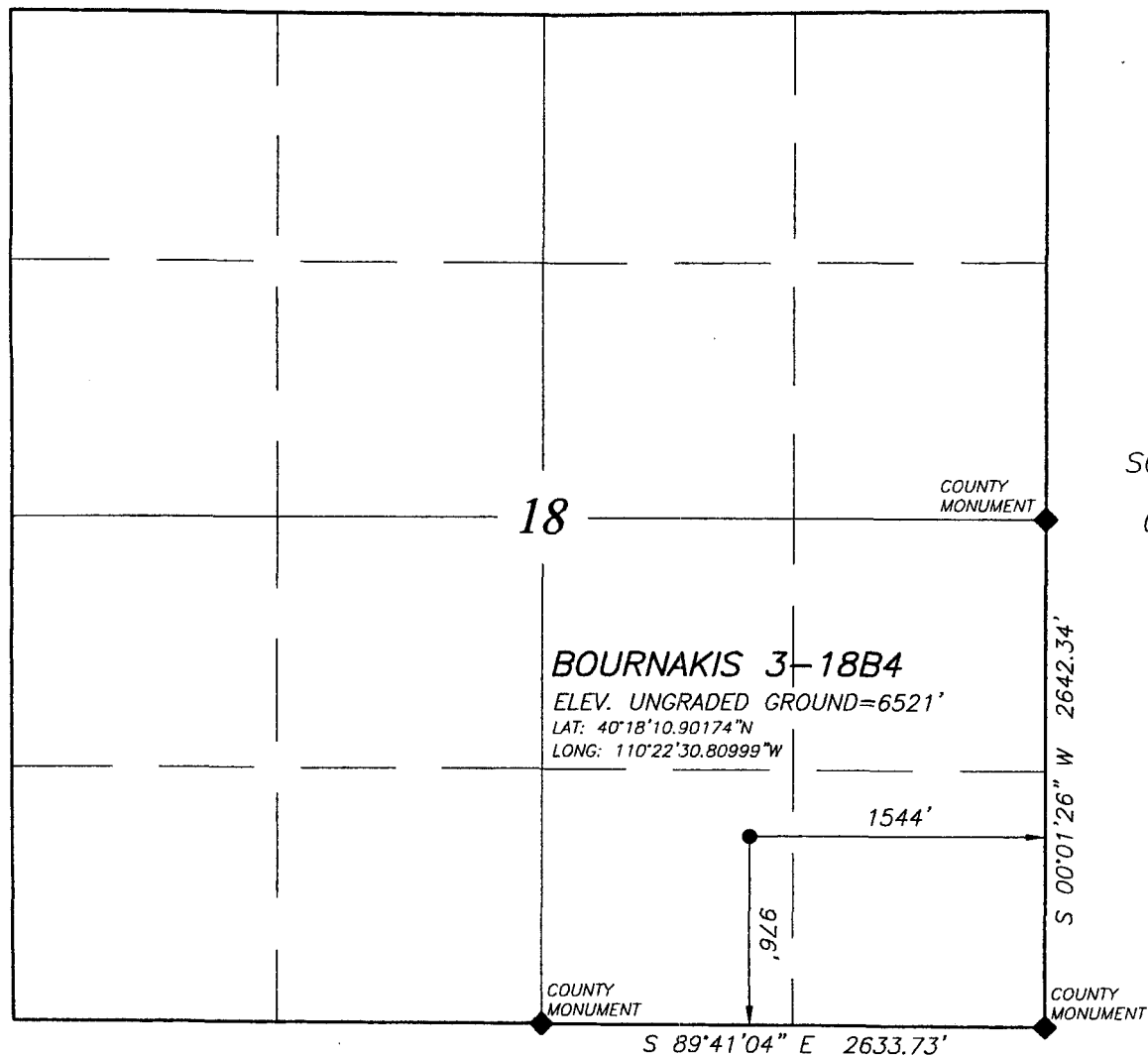
Date: 11-05-08
By: *[Signature]*

EL PASO E & P COMPANY, L.P.

WELL LOCATION

BOURNAKIS 3-18B4

LOCATED IN THE SW¼ OF THE SE¼ OF
SECTION 18, T2S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH



SCALE: 1" = 1000'



LEGEND AND NOTES

- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

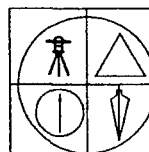
BASIS OF BEARINGS: G.P.S. OBSERVATION WITH BASE STATION AS INDICATED

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE POST PROCESSED GPS ELEVATION AT THE BASE STATION OF 6529.36

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

Jerry D. Allred
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)
11/6/08
STATE OF UTAH



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST. -- P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

10 JUL 2008 01-128-030

**BORNAKIS 3-18B4
SWSE Sec. 18, T2S, R4W
DUCHESNE COUNTY, UT
FEE**

EL PASO E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Green River	5,919'
Mahogany Bench	7,898'
L. Green River	9,402'
Wasatch	10,893'
TD	13,800'

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	5,919'
	Mahogany Bench	7,898'
Oil	L. Green River	9,402'
Oil	Wasatch	10,893'

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 600'. A 5.0" by 13 3/8" Rotating Head from 600' to 5,800' on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 5,800' to TD". The BOPE and related equipment will meet the requirements of the 5M system.

OPERATORS MINIMUM SPECIFIC FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU an 13-5/8" 5M BOP, 5M Annular. This equipment will be nipped up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be tested to 1500 psi. Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low test and 2500 psi high test or 50% of rated working pressure. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Drilling 426 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M and 10M psi systems.

Auxiliary Equipment:

- A) Mud logger with gas monitor – 5,800' to TD
 - B) Choke manifold with one manual and one hydraulic operated choke
 - C) Full opening floor valve with drill pipe thread
 - D) Upper and lower Kelly cock
- Shake, desander, desilter and mud cleaner.

4. Proposed Casing & Cementing Program:

Hole Size	Size	Grade	Thread	Weight	Setting Depth
17 ½"	13 3/8	J-55	LTC	54.5 lb/ft	800
12 ¼"	9 5/8"	N-80	LTC	40 lb/ft	5,800
8 ¾"	5 1/2"	HCP 110	LTC	17 lb/ft	0-10,600
8 ¾"	5 ½"	P-110	LTC	20 lb/ft	10,600-13,800

Conductor: 730 sacks Class G. 15.6 lb/gal, yield 1.15 cuft/sx, w 3% CaCl₂

Surface Cement: : Lead 630 sacks Premium Lite II 11.0 lb/gal, yield 3.2 cuft/sx,
Plus 2%CaCl₂ 0.3%FL52 0.5% Sodium Metasilicate

Tail: 160 sacks Class G 14.4 lb/gal, yield 1.25 cuft/sx, 50:50 poz 2% CaCl₂ 2% gel 0.3% Sodium Metasilicate

Production Cement: 760 sacks Class G 13.5 lb/gal, yield 1.86 cuft/sx, 50:50 poz, 4% gel, 4%HR601 5pps silicalite, 0.5% Halad 344, 0.3% Halad 413, 0.5% super CBL, 6% Welllife 665

5. Drilling Fluids Program:

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 8.9
Production	WBM	9.0 – 13.5

Anticipated mud weights are based on actual offset well mud weights with safety margin. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

GR, Density, Neutron, Res/ TD to 5993

GR to Surface

GR, Density, Neutron, Res, Sonic: TD to Intermediate Casing

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,800' TD equals approximately 9,329 psi (calculated at 0.6760 psi/foot).

Maximum anticipated surface pressure based on bottom hole pressure equals approximately 6293 (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 9-5/8" casing shoe is 0.8 psi/ft – 0.22 psi/ft (partially evacuated hole) at 5800' = 3364 psi

BOPE and casing design is based on the lesser of the two MASPs which is frac at shoe 3364 psi

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

AFFIDAVIT OF FACTS

STATE OF UTAH)

COUNTY OF DUCHESNE)

Re: Well Site, Road & Pipeline
El Paso E&P Company, L.P.
Bournakis 3-18B4 Oil and Gas Well
T2S-R4W Sec. 18: E/2SW/4SE/4

WHEREAS, the undersigned John D. Whiteside, Jr. (affiant) whose mailing address is P.O. Box 790093, Vernal, UT 84079, being first duly sworn on oath, depose and say:

1. I am an Independent Oil and Gas Landman, on contract with El Paso E&P Company, L.P. ("El Paso") working on surface damages for the Bournakis 3-18B4 Oil and Gas Well ("Well") located in T2S-R4W Sec. 18: E/2SW/4SE/4, Duchesne County, Utah. El Paso is the owner and operator of oil and gas leases in Section 18 from the mineral owners under the Section. The State of Utah allows for the producing of two (2) wells per section in the Altamont-Bluebell Field where this Section is located. El Paso is planning to drill the third well in the Section being the second well in this Section that will be producing.
2. The record title to the surface of the land where the Well is to be drilled is owned by Chris Bournakis and Lista Bournakis, husband and wife, joint tenants whose address is 356 39th St., Ogden, Utah 84405 and whose phone number is unlisted they have an email address of lista5@comcast.net. Mr. Bournakis owns a 20.00 tract of land which is in the E/2SW/4SE/4 where the Well is to be located.
3. On December 4, 2007 a letter was sent to Mr. & Mrs. Bournakis, explaining that El Paso was planning to drill the referenced Well and that El Paso was going to survey the Location. In this letter I asked that the Bournakis's contact me and because they had an unlisted phone number I was not able to contact them by phone to discuss this Well Location.
4. On December 10, 2007, I received an email from Chris Bournakis asking that El Paso verify the rights to drill the Well, and he also asked for verification of my representation of El Paso's rights to drill this well.
5. On December 11, 2007, I responded back to the email, copying Laura B. Smith, Company Landman for El Paso and explained to Mr. Bournakis that El Paso was the owner and operator of the oil & gas minerals in the Section and that the Section was Unitized and The State of Utah allowed for two wells producing in a Section in the Altamont-Bluebell Field, and that this Well would be the second well producing in this Section, and tried to answer his other questions in his original email.
6. On December 11, 2007, Laura B. Smith, responded back to my email stating that she was also going to email Mr. Bournakis and confirm the information that I had emailed to Mr. Bournakis earlier this day.
7. On January 13, 2008 an email was received from Mr. & Mrs. Bournakis, stating that they were still waiting on additional information from El Paso as well as a copy of the survey, this email was forwarded to Laura B. Smith on January 14, 2008.
8. On February 15, 2008, a Cover Letter, Damage Settlement Agreement & Release, Right-of-Way, and Archaeological Waiver were sent to Mr. & Mrs. Bournakis asking that the Bournakis's review and sign and return if it meets with their approval. No response was received from Mr. & Mrs. Bournakis.
9. Jerry Allred was hired by El Paso to survey the Well and on May 5, 2008 his (Jerry Allred's) office called to confirm that the Bournakis's had been notified that the Well Location was going to be surveyed. As Jerry Allred was in the field surveying the Location.
10. On May 9, 2008, a second, Cover Letter, Damage Settlement Agreement & Release, Right-of-Way, and Archaeological Waiver were sent to Mr. & Mrs. Bournakis asking that the Bournakis's review and sign and return if it meets with their approval. Track & Confirm by the U.S. Postal Service shows that the package was delivered on May 12, 2008, no response has been received from Mr. & Mrs. Bournakis.

Aff. Of Facts Bournakis 3-18B4 Well

11. On May 19, 2008, Mike James, Company Landman for El Paso responded to Mr. & Mrs. Bournakis, confirming El Paso's, right to drill the Well. Mr. James provided a copy of the original Oil & Gas Lease covering the lands to be covered by the Surface Use Agreement indicating the surface rights under Paragraph 1 of said lease. In addition, Mr. James provided a copy of the Pooling Agreement pooling these lands with the other lands within Section 18, Township 2 South-Range 4 West, USM.
12. In conversations starting around May 27, 2008 with Mr. Rob Stark, Attorney with Kelser & Rust (phone number 801/532-8000), represented that he had been retained by the Bournakis's to inquire about the Surface Use Agreement and El Paso's rights to drill the proposed wells. A series of conversations occurred between Mr. Stark and myself. On June 4, 2008, in a conversation with Mr. Stark it was confirmed to Mr. Stark that El Paso was offering \$5,000.00 for the Surface Use Agreement ("SUA") for the well site and \$15 per rod for the Right-of-Way ("ROW") for road and pipeline to the well. Mr. Stark assured me he would be back in touch on these subjects.
13. On June 26, 2008 a full copy of the current valid oil & gas lease which covers the surface location of the well site was mailed to Mr. Stark. On July 1, 2008, Mr. Stark requested the deed into the Bournakis's and plats of the land be faxed to him this was immediately forwarded to him by fax. On July 10, 2008 a SUA was forwarded to Mr. Stark for his review and comments. Messages were left for Mr. Stark in the week of July 15, 2008. Mr. Stark replies on July 25, 2008 that he had not received the SUA. On July 25, 2008 another copy of the SUA was forwarded to Mr. Stark by email for his review and comments.
14. In phone conversations that followed with Mr. Stark, the offer was raised to \$7,500.00 for the SUA and \$2,500.00 for the ROW.
15. On August 8, 2008, in a phone conversation with Mr. Stark it was related that he was turning this project over to a Mr. Scott Mercer with his firm, and that Mr. Mercer would be contacting me very soon. Mr. Mercer has not contacted El Paso or myself concerning this location.
16. As of this date we have been unable to obtain a written agreement from Mr. & Mrs. Bournakis for the surface use for the Well location and road and pipeline right-of-way.

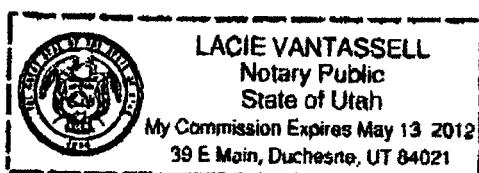
NOW THEREFORE, the undersigned affiant, John D. Whiteside, Jr., of lawful age, being first duly sworn and depose and say that the facts are true and correct to the best of his knowledge, Further Affiant saith not. Signed this 4th day September, 2008.

John D. Whiteside, Jr.
By: John D. Whiteside, Jr.

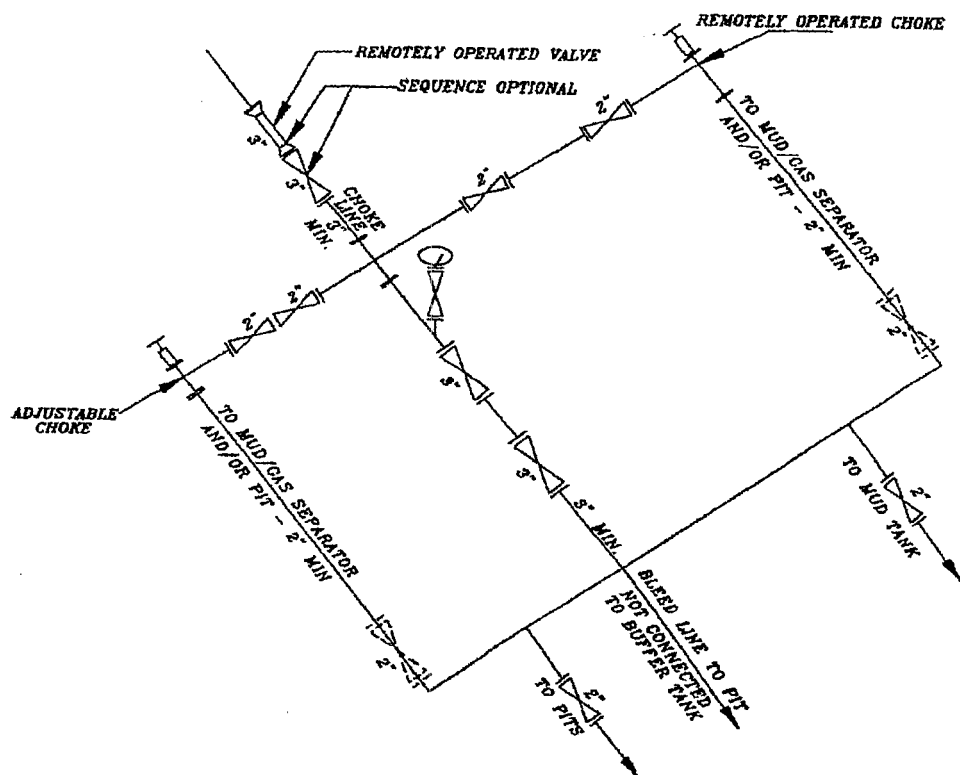
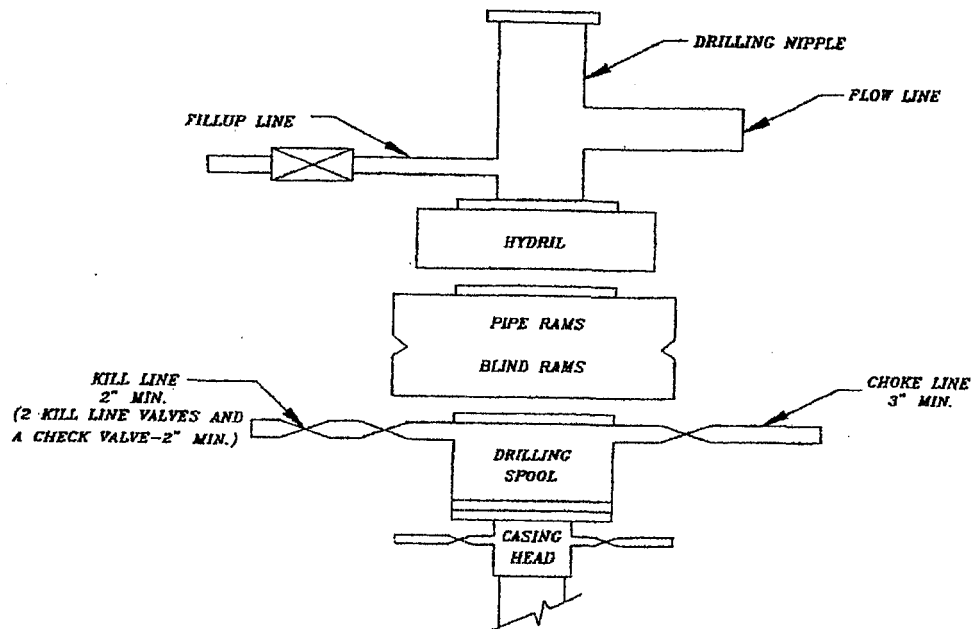
STATE OF UTAH)(
COUNTY OF DUCHESNE)(

On the 4th day of September, 2008, personally appeared John D. Whiteside, Jr., Affiant signer of the above instrument, who duly acknowledges to me that he executed the same.
WITNESS my hand and official seal.

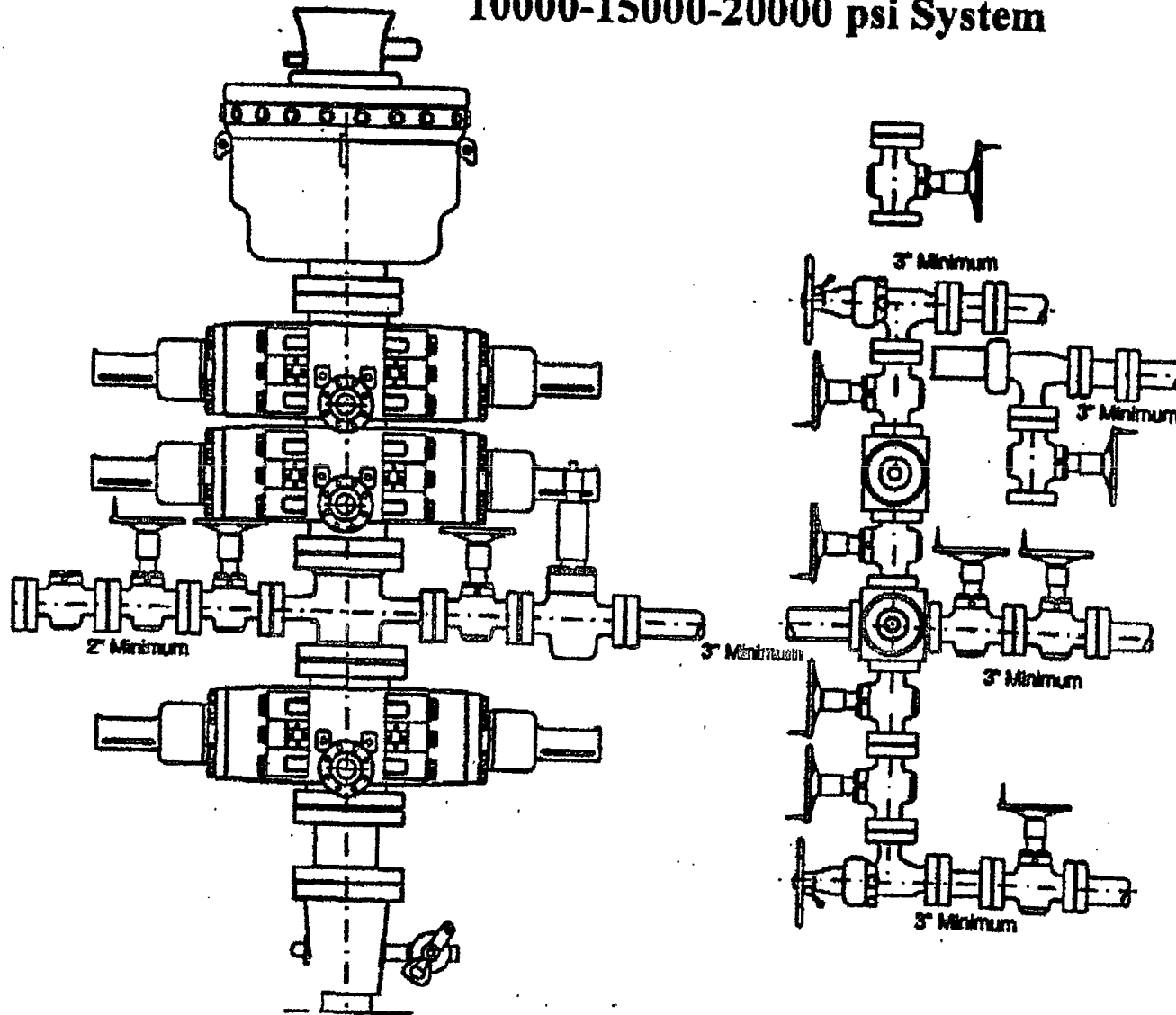
Lacie Vantassell
Notary Public



5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System



**BOURNAKIS 3-18B4
SWSE Sec. 18, T2S, R4W
DUCHESNE COUNTY, UT
FEE**

EL PASO E&P COMPANY, L.P.

Related Surface Information

- 1) **CURRENT SURFACE USE:** Livestock Grazing and Oil and Gas Production.
- 2) **PROPOSED SURFACE DISTURBANCE:**
 - a) The road will be crown and ditch. Water wings will be constructed on the access road as needed.
 - b) The topsoil will be windrowed and respread in the borrow area.
 - c) New road to be constructed will be approximately .45 miles in length, 25 feet wide.
 - d) All equipment and vehicles will be confined to the access road, pad and area specified in the APD.
- 3) **LOCATION OF EXISTING WELLS:**

Existing oil, and gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

Water for drilling will be obtained from Dalbo Inc's underground well located in Ouray, Utah Sec 32 T4S R3E, Water Use Claim #43-8496
- 4) **EXISTING/PROPOSED FACILITIES FOR PRODUCTIVE WELL:**
 - a) There are no existing facilities that will be utilized for this well.
 - b) The pipeline will be constructed as shown on Exhibit C. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
 - c) Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.
- 5) **CONSTRUCTION MATERIALS:**

Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

6) METHODS FOR HANDLING WASTE DISPOSAL:

- a) The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of $\frac{1}{2}$ the total depth below the original ground surface on the lowest point within the pit. The pit will be lined with a 9-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- b) Garbage and other trash will be contained in a portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig move off location and hauled to an authorized disposal site.
- c) Sewage will be handled in Portable Toilets.
- d) Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from location at a later date.
- e) Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's.

7) ANCILLARY FACILITIES:

There will be no ancillary facilities associated with this project.

8) SURFACE RECLAMATION PLANS:

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared

- a) Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 - 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 - 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 - 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- b) Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

2. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
3. Landowner will be contacted for rehabilitation requirements.

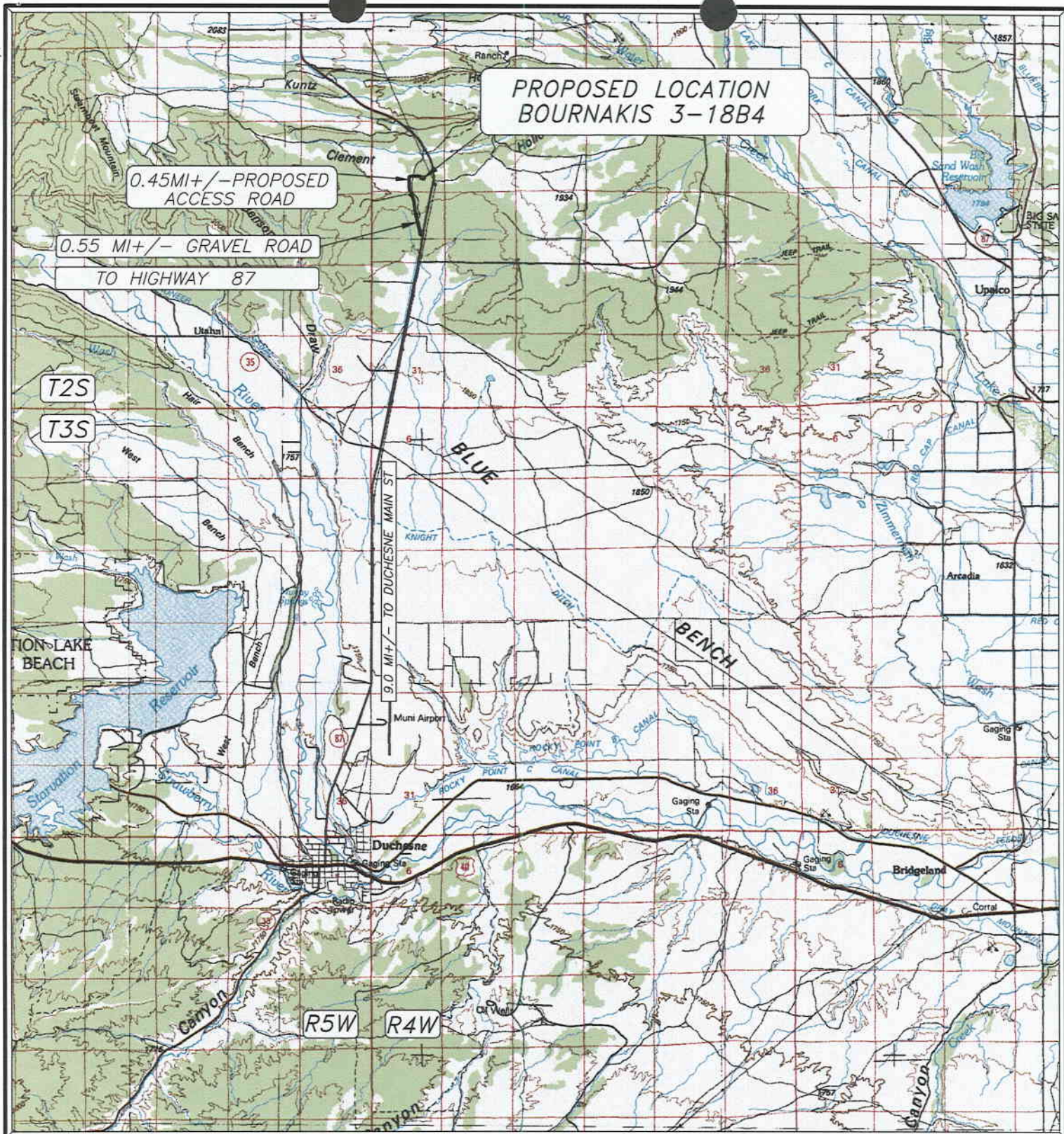
9) SURFACE OWNERSHIP:

Surface use agreement is being pursued. An Affidavit of Facts is attached. An Affidavit of Surface Damage Agreement will be submitted upon completion.

Chris and Lisa Bournakis
356 39th St.
Ogden, Utah 84405

10) OTHER INFORMATION:

- a) The surface soil consists of clay, and silt.
- b) Flora - vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- c) Fauna - antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- d) Current surface uses – Livestock grazing and mineral exploration and production.

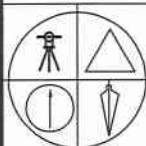


LEGEND:



PROPOSED WELL LOCATION

01-128-030



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975
DUCHEсне, UTAH 84021
(435) 738-5352



EL PASO E & P COMPANY, L.P.

BOURNAKIS 3-18B4

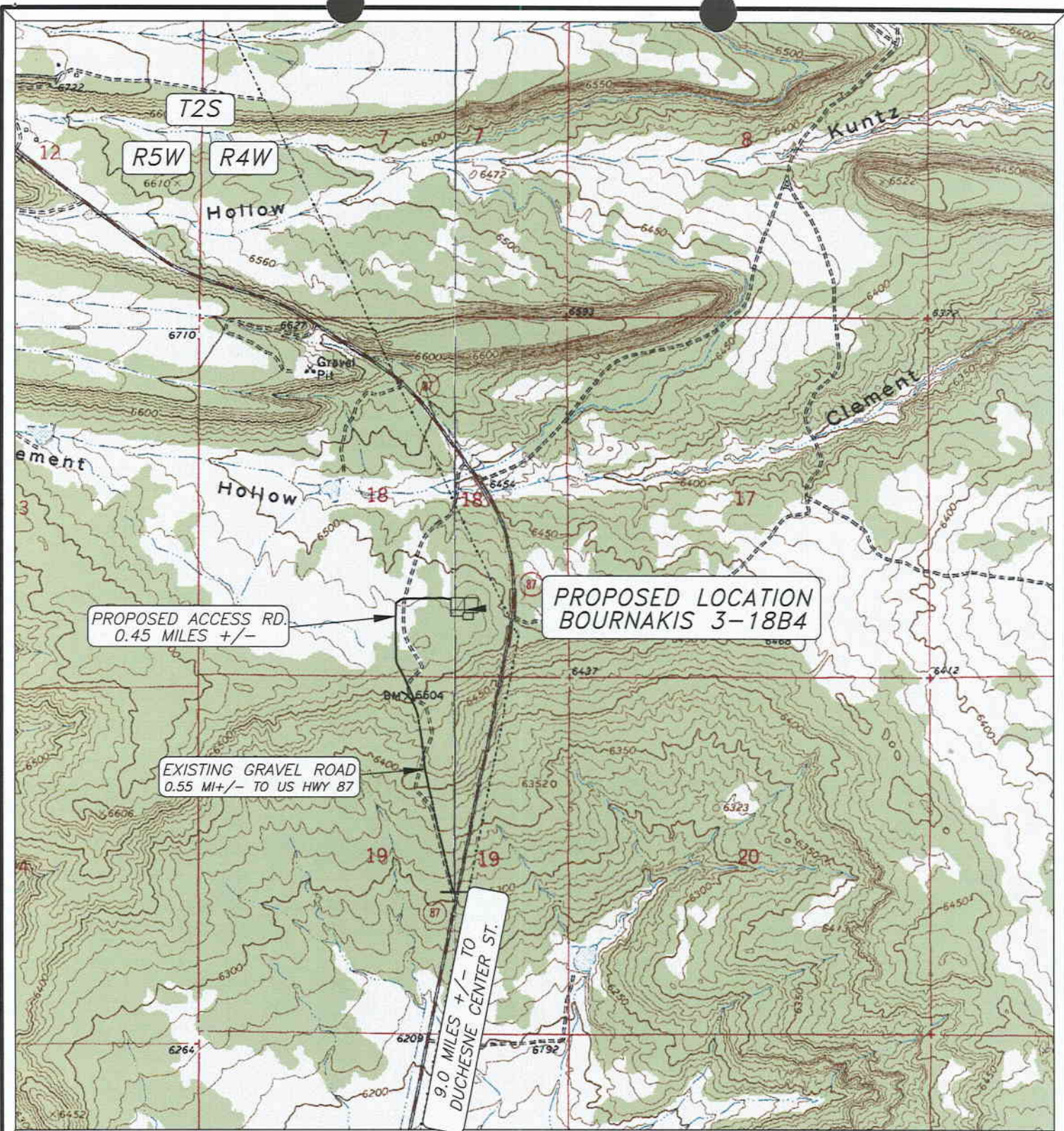
SECTION 18 T2S, R4W, U.S.B.&M.

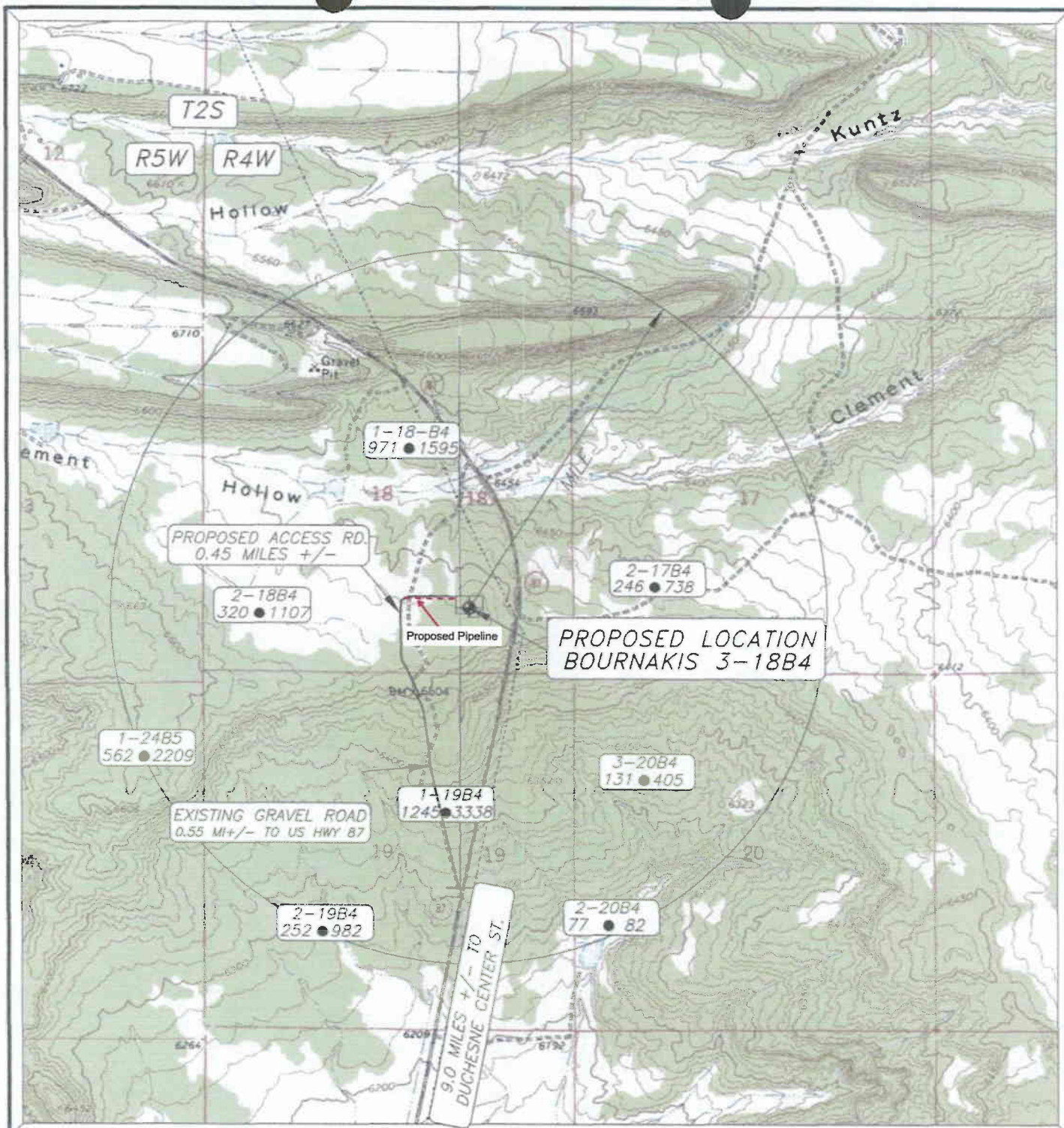
976' FSL 1544' FEL

TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'

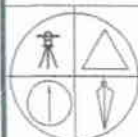
11 JUL 2008





LEGEND:

- ◆ PROPOSED WELL LOCATION
 - OTHER WELLS AS LOCATED FROM SUPPLIED MAP
- 01-128-030



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST.-P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352



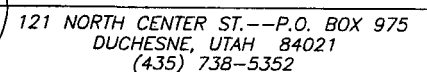
EL PASO E & P COMPANY, L.P.

BOURNAKIS 3-18B4
SECTION 18, T2S, R4W, U.S.B.&M.
976' FSL 1544' FEL

TOPOGRAPHIC MAP "C"

SCALE: 1"=2000'
11 JUL 2008

976' FSL, 1544' FEL



EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR

BOURNAKIS 3-18B4

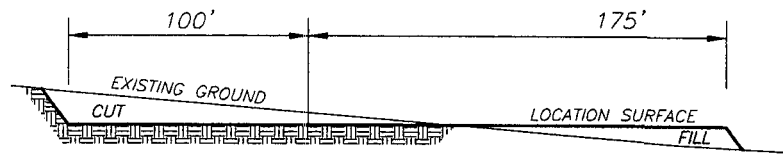
SECTION 18, T2S, R4W, U.S.B.&M.

976' FSL, 1544' FWL

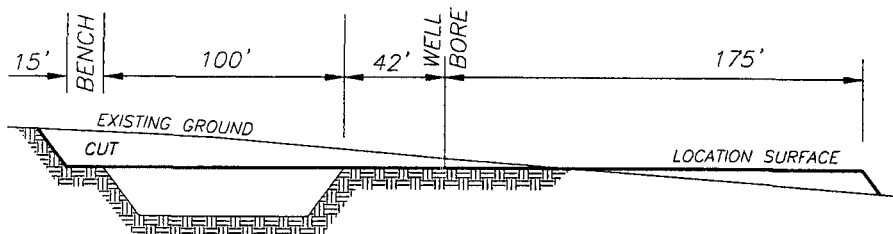
FIGURE #2

1"=40'
X-SECTION
SCALE
1"=80'

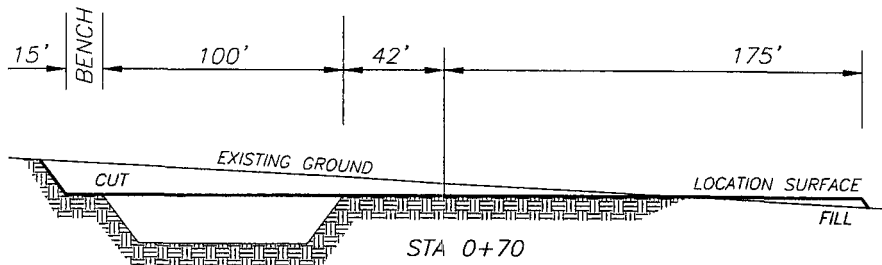
NOTE: ALL CUT/FILL
SLOPES ARE 1½:1
UNLESS OTHERWISE
NOTED



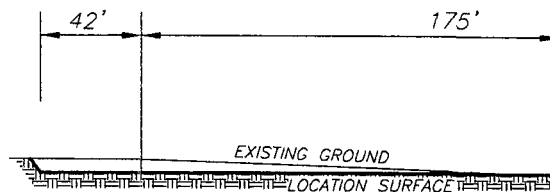
STA 4+00



STA 2+00



STA 0+70



STA 0+00

APPROXIMATE YARDAGES

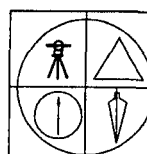
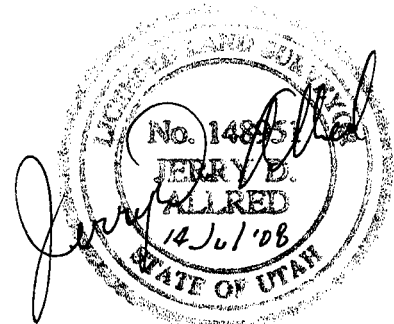
TOTAL CUT (INCLUDING PIT) = 11,734 CU. YDS.

PIT CUT = 4250 CU. YDS.

TOPSOIL STRIPPING: (6") = 2265 CU. YDS.

REMAINING LOCATION CUT = 5219 CU. YDS.

TOTAL FILL = 3300 CU. YDS.



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975
DUCHESTER, UTAH 84021
(435) 738-5352

14 JUL 2008 01-128-030

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/22/2008

API NO. ASSIGNED: 43-013-34091

WELL NAME: BOURNAKIS 3-18B4

OPERATOR: EL PASO E&P COMPANY, LP (N3065)

CONTACT: MICHAEL BROWN

PHONE NUMBER: 307-237-9310

PROPOSED LOCATION:

SWSE 18 020S 040W

SURFACE: 0976 FSL 1544 FEL

BOTTOM: 0976 FSL 1544 FEL

COUNTY: DUCHESNE

LATITUDE: 40.30309 LONGITUDE: -110.3746

UTM SURF EASTINGS: 553153 NORTHINGS: 4461375

FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DEC	11/5/08
Geology		
Surface		

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: WSTC

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

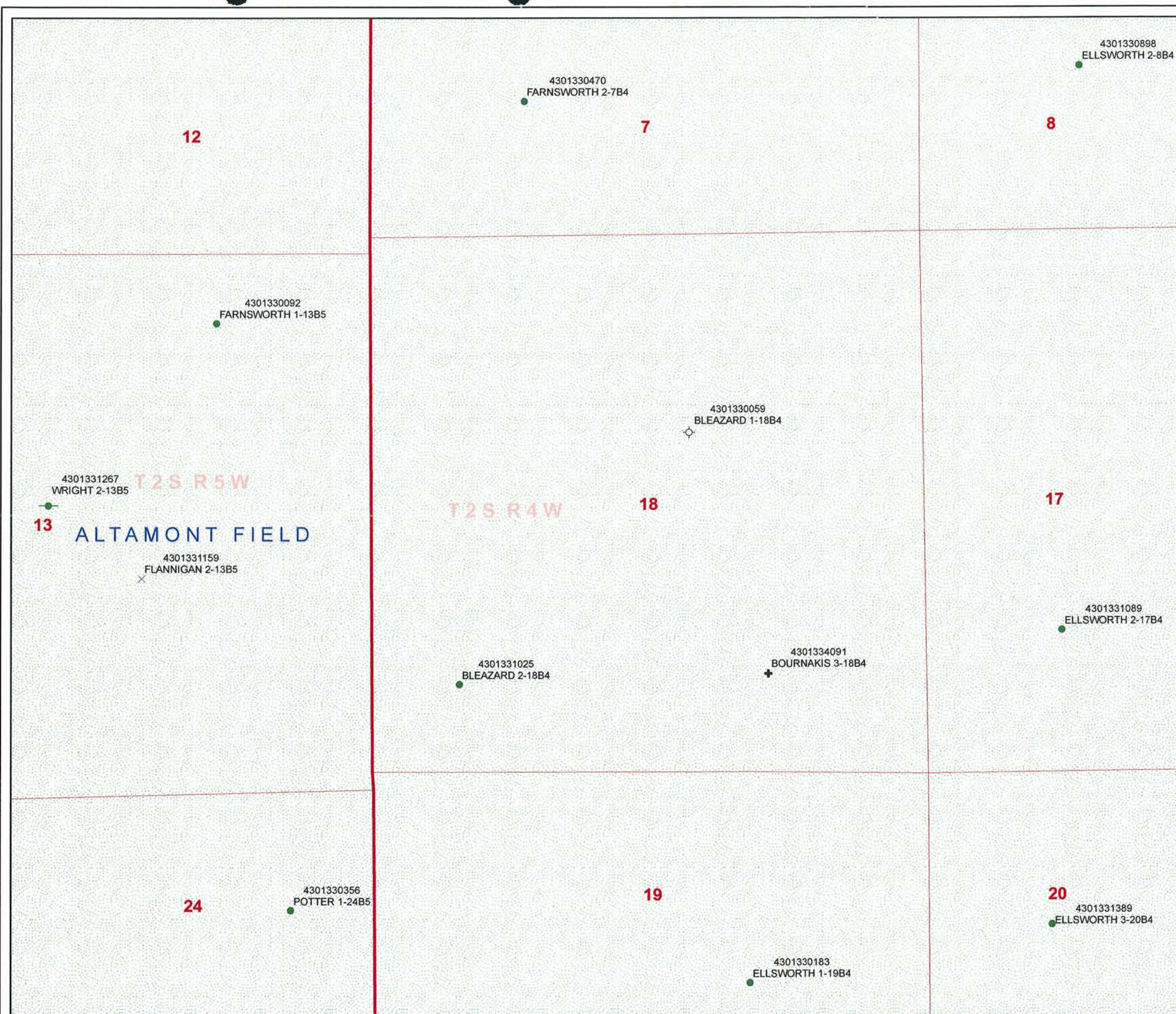
☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 400140708)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

____ R649-2-3.
Unit: _____
____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
____ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 139-42
Eff Date: 4-12-1985
Siting: 1400' from end of 1320' fr. other well
____ R649-3-11. Directional Drill

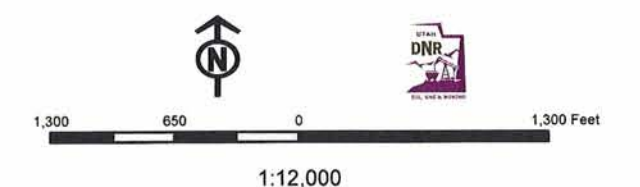
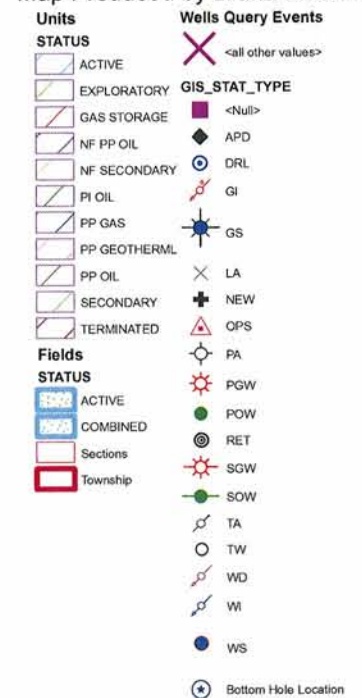
COMMENTS: Needs Pres (10-08-2008)

STIPULATIONS: 1- STATEMENT OF BASIS
2- Surface Csg Cont Stop
3- Cont Stop #3A (5 1/2" production, 5500' no Green River Formation)



API Number: 4301334091
Well Name: BOURNAKIS 3-18B4
Township 02.0 S Range 04.0 W Section 18
Meridian: UBM
Operator: EL PASO E&P COMPANY, LP

Map Prepared:
Map Produced by Diana Mason



Application for Permit to Drill

Statement of Basis

10/15/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
1062	43-013-34091-00-00		OW	P	No
Operator	EL PASO E&P COMPANY, LP	Surface Owner-APD			
Well Name	BOURNAKIS 3-18B4	Unit			
Field	ALTAMONT	Type of Work			
Location	SWSE 18 2S 4W U 976 FSL 1544 FEL	GPS Coord (UTM) 553153E 4461375N			

Geologic Statement of Basis

El Paso proposes to set 800 feet of conductor and 5,800 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 5,500 feet. A search of Division of Water Rights records indicates that there are over 25 water wells within a 10,000 foot radius of the proposed location. Nine wells are located within 1/2 mile of the proposed location. These nine wells range in depth from 21 to 400 feet. Listed use is domestic, irrigation and stock watering. The wells in this area probably produce water from the Duchesne River Formation and only one well (1 mile north) exceeds 550 feet. The proposed casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill

10/15/2008

APD Evaluator

Date / Time

Surface Statement of Basis

The proposed oil well is in the Clement Draw area on the northwest end of Blue Bench approximately 10 miles north of Duchesne, Utah. General topography in the area is undulating flats and rolling hills separated by shallow swales or draws. Clement Draw is ephemeral and runs in a northeasterly direction toward the Duchesne River several miles to the east. No seeps, springs or streams are known to exist in the immediate area. Access from Duchesne is by State Highway 87 and existing gravel roads to where 0.45 miles of new road will be constructed. The new road may need imported rocky borrow for a solid base. Portions of the area are subdivided into large tracts or lots. Trailer houses or permanent dwellings are in the general area.

The proposed Bournakis 3-18B4 oil well lies longitudinally along a gentle north slope. Minor excavation on the south will be moved to the north to form the pad. Small swales or rills, which run to the north, bisect the area. No drainages show indications of recent or concentrated flows. The reserve pit spoils and topsoil stockpile are planned to be on the up-slope side of the pad. These will interrupt any unlikely flows during well drilling. El Paso plans to berm the pad following well completion. This berm should be adequate to divert any flows around the pad. The selected area appears to be a suitable site for drilling and operating an oil well.

Floyd Bartlett

10/8/2008

Onsite Evaluator

Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EL PASO E&P COMPANY, LP
Well Name BOURNAKIS 3-18B4
API Number 43-013-34091-0 **APD No** 1062 **Field/Unit** ALTAMONT
Location: 1/4,1/4 SWSE **Sec** 18 **Tw** 2S **Rng** 4W 976 FSL 1544 FEL
GPS Coord (UTM) 553157 4461374 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Wayne Garner (Construction Supervisor, El Paso) and John Whitesides (Landman El Paso)

Regional/Local Setting & Topography

The proposed oil well is in the Clement Draw area on the northwest end of Blue Bench approximately 10 miles north of Duchesne, Utah. General topography in the area is undulating flats and rolling hills separated by shallow swales or draws. Clement Draw is ephemeral and runs in a northeasterly direction toward the Duchesne River several miles to the east. No seeps, springs or streams are known to exist in the immediate area. Access from Duchesne is by State Highway 87 and existing gravel roads to where 0.45 miles of new road will be constructed. The new road may need imported rocky borrow for a solid base. Portions of the area are subdivided into large tracts or lots. Trailer houses or permanent dwellings are in the general area.

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A dwelling, which appears to be a permanent resident lies about 1/10 mile to the east. Both high voltage and small delivery power lines are in the general area.

The surface and minerals are both FEE.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.45	Width 317 Length 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Juniper, pinion, prickly pear, sagebrush, ephedra, carex, scattered grasses and spring annuals dominate the poorly vegetated site.

Deer, small mammals and birds.

Soil Type and Characteristics

Deep to shallow sandy loam. Some exposed sandstone bedrock occurs.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N

Paleo Potential Observed? N

Cultural Survey Run? N

Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet) 100 to 200

5

Distance to Surface Water (feet) >1000

0

Dist. Nearest Municipal Well (ft) >5280

0

Distance to Other Wells (feet) 300 to 1320

10

Native Soil Type Mod permeability

10

Fluid Type Fresh Water

5

Drill Cuttings Normal Rock

0

Annual Precipitation (inches) <10

0

Affected Populations 10 to 30

6

Presence Nearby Utility Conduits Not Present

0

Final Score

36

1

Sensitivity Level

Characteristics / Requirements

A reserve pit 100' x 150' x 10' deep is planned on the southeast corner of the location. A liner with an appropriate thickness of felt sub liner is required. ElPaso commonly uses a 16-mil liner.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 16

Pit Underlayment Required? Y

Other Observations / Comments

The surface and minerals are both FEE. Chris and Linda Bournakis of Ogden, Utah own the surface. John Whitesides, Land Agent for ElPaso, has made several attempts to contact them directly. They have referred him to an attorney who has represented them. The Bournakis have an unlisted phone number. They were invited to the pre-site by email (litsa5@Comcast.net). No reply was received from the email and they did not meet at the designated location for the pre-site. Mr. Whitesides stated that he expected to reach a Surface Use Agreement with them through their Attorney.

A dwelling, which appears to be a permanent resident lies about 1/10 mile to the east. Both high voltage and small delivery power lines are in the general area.

Floyd Bartlett
Evaluator

10/8/2008
Date / Time



Online Services

Agency List

Business

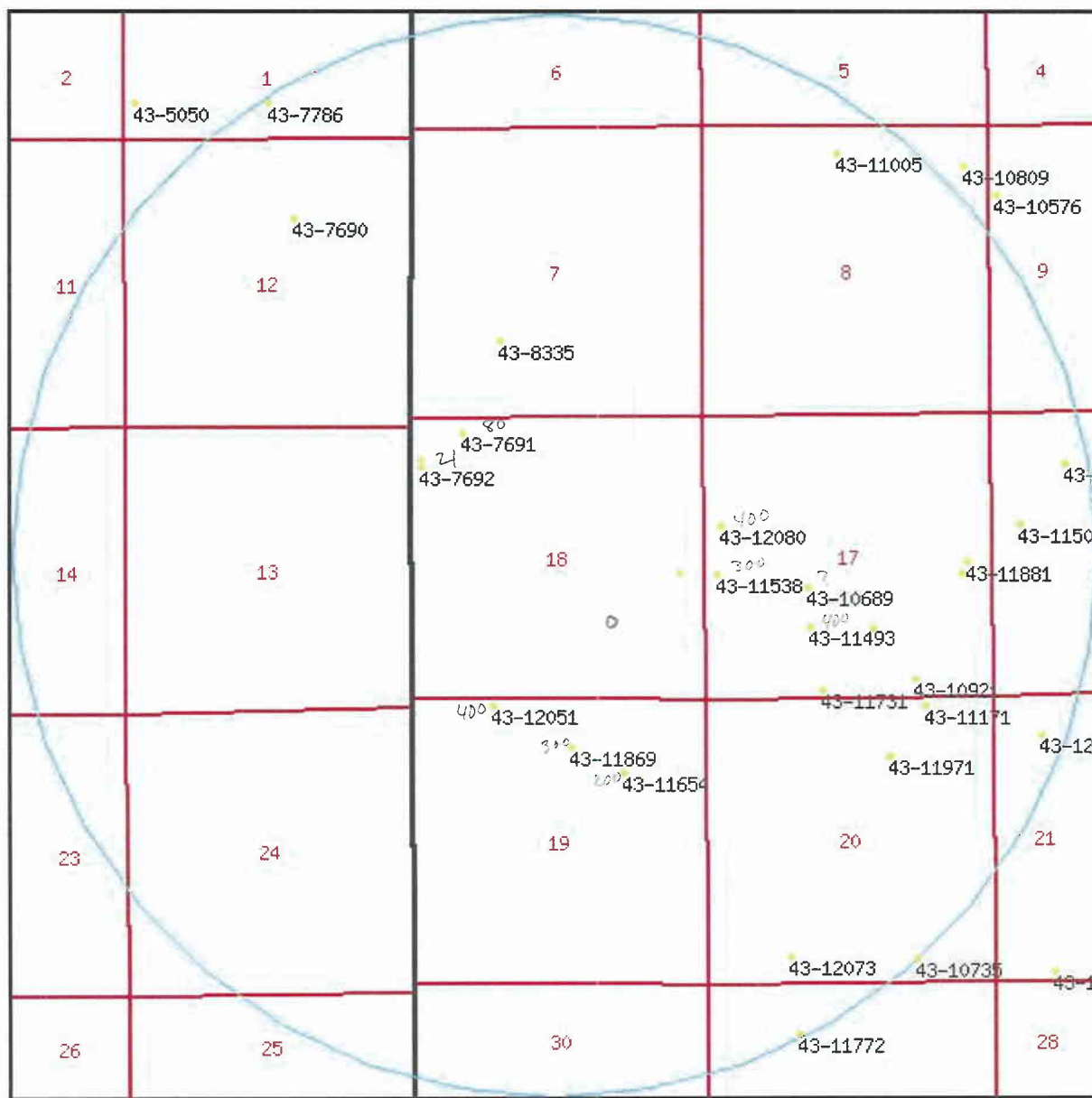
Utah Division of Water Rights

WRPLAT Program Output Listing

Version: 2007.04.13.01

Rundate: 10/15/2008 01:38 PM

Radius search of 10000 feet from a point N2640 E2640 from the SW corner, section 18, Township 2S, Range 4W, US b&m Criteria: wrtypes=W,C,E podtypes=U status=U,A,P usetypes=all



0 1300 2600 3900 5200 ft

Water Rights

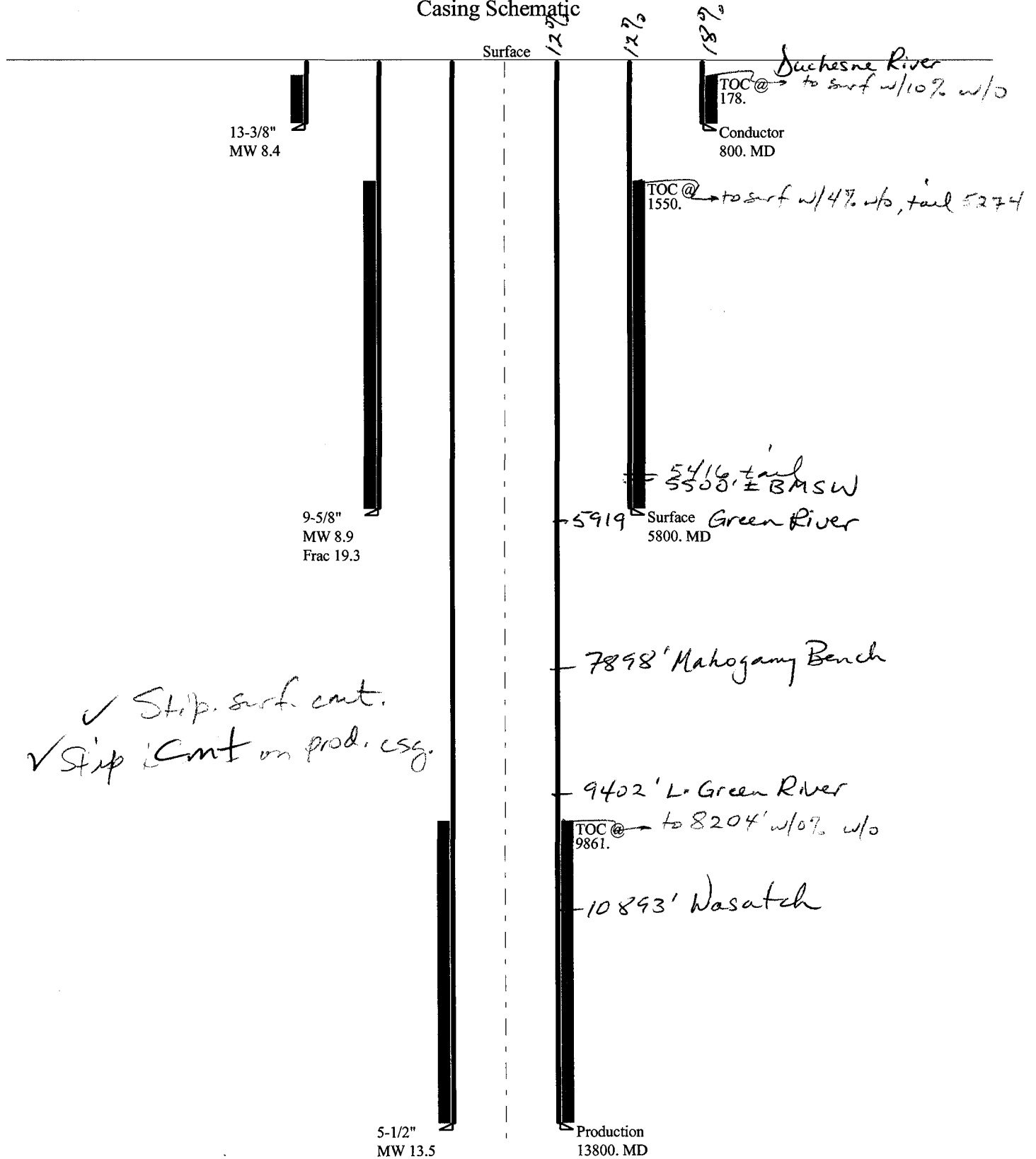
	WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner
21 I, D	<u>43-10189</u>	Underground S768 E186 NW 18 2S 4W US		P	19891211	DI	0.015	0.000	LAYNE BESS P.O. BOX 641
21 I, S, D	<u>43-10255</u>	Underground S900 E180 NW 18 2S 4W US	<u>well info</u>	A	19901024	DIS	0.015	0.000	MAXINE BROUG BOX 250
300 S, D	<u>43-10576</u>	Underground S1286 E146 NW 09 2S 4W US	<u>well info</u>	P	19960111	DS	0.000	4.650	KENNETH R. AN ALLEN 869 EAGLEWOOD
? I, S, D	<u>43-10689</u>	Underground N2022 W3443 SE 17 2S 4W US		P	19970225	DIS	0.000	1.480	DEREK AND BRI HC 65 BOX 233
500 D	<u>43-10735</u>	Underground N440 W1475 SE 20 2S 4W US	<u>well info</u>	A	20030919	D	0.000	0.250	DAVID R. FLORE 3431 SOUTH 2300
377 I, D	<u>43-10748</u>	Underground N2327 W202 SE 17 2S 4W US	<u>well info</u>	P	19970623	DI	0.000	0.780	PATRICIA C. CR P. O. BOX 297
200 I, S, D	<u>43-10809</u>	Underground S750 W450 NE 08 2S 4W US	<u>well info</u>	A	19980302	DIS	0.000	4.730	KENNETH R. AN ALLEN 869 EAGLEWOOD
500 I, P	<u>43-10921</u>	Underground N320 W1450 SE 17 2S 4W US	<u>well info</u>	A	19990506	DI	0.000	4.450	SYLVIA KAY HA 1173 W. SNOW C. PARKWAY UNIT
150 I, S, D	<u>43-10940</u>	Underground N2360 W500 SE 18 2S 4W US	<u>well info</u>	A	20010326	DIS	0.000	4.730	MONIKA L. LAT HC 65 BOX 232
400 I, S, D	<u>43-10972</u>	Underground N200 E1050 SW 21 2S 4W US	<u>well info</u>	A	19990914	DIS	0.000	3.730	WES AND MARL P. O. BOX 150
150 S, D	<u>43-11005</u>	Underground S500 W150 N4 08 2S 4W	<u>well info</u>	A	20000302	DS	0.015	1.486	KENNETH R. AN ALLEN

		US						869 EAGLEWOOD
300 ISD	<u>43-11011</u>	Underground	<u>well info</u>	A	20050919 DIS	0.000 3.730	LINDA L. ESLICK	
		N1300 E400 S4 17 2S 4W US						P. O. BOX 718
400 ISD	<u>43-11171</u>	Underground	<u>well info</u>	A	20010808 DIS	0.000 4.730	CAROL R. AND M BENNETT	
		S175 W1270 NE 20 2S 4W US						P. O. BOX 730022
400 ISD	<u>43-11493</u>	Underground	<u>well info</u>	A	20031202 DI	0.000 1.200	DOANNA M. POL	
		N1300 W3400 SE 17 2S 4W US						P. O. BOX 730015
300 ISD	<u>43-11502</u>	Underground		A	20040210 DIS	0.000 1.480	PAUL D. AND LC	
		N560 E495 W4 16 2S 4W US						4532 SOUTH KNI RD.
300 ISD	<u>43-11538</u>	Underground	<u>well info</u>	A	20040603 DIS	0.000 1.480	GARRETT AND T	
		S300 E220 W4 17 2S 4W US						HC 65 BOX 242
400 ISD	<u>43-11556</u>	Underground	<u>well info</u>	A	20040721 DIS	0.000 1.480	GREGG AND TEF	
		N2300 W600 SE 17 2S 4W US						6877 SOUTH BAT WAY
500 ISD	<u>43-11654</u>	Underground		A	20050609 DIS	0.000 1.730	DONOVAN D. WI	
		S1330 W1530 NE 19 2S 4W US						3914 SOUTH CLII
200 ISD	<u>43-11664</u>	Underground		A	20050711 DI	0.000 1.200	LADENA SIPES	
		S950 E1360 NW 16 2S 4W US						HC 65 BOX 237
500 ISD	<u>43-11723</u>	Underground	<u>well info</u>	A	20060206 DI	0.000 1.450	RUSTY ESKELSC	
		N190 E2130 SW 17 2S 4W US						1643 S. 4500 W.
500 ISD	<u>43-11731</u>	Underground		A	20060217 DI	0.000 1.450	RUSTY ESKELSC	
		N190 E2130 SW 17 2S 4W US						1643 S. 4500 W.
400 ISD	<u>43-11772</u>	Underground		A	20060530 DIS	0.000 1.730	BRENT AND TAN FARNSWORTH	
		S900 E1660 NW 29 2S 4W US						P.O. BOX 153
300 ISD	<u>43-11869</u>	Underground	<u>well info</u>	A	20070109 DIS	0.000 1.730	ERNEST E. AND HOUGHTBY	
		S900 E225 N4 19 2S 4W US						4923 SO. EAST L/ 26A

380 I, S, D	<u>43-11881</u>	Underground S135 W480 E4 17 2S 4W US	<u>well info</u>	A	20070227 DIS	0.000 1.480	SCOTT MASCIAF 1757 WHISPERHI
500 I, S, D	<u>43-11971</u>	Underground S1089 E714 N4 20 2S 4W US	<u>well info</u>	A	20070807 DIS	0.000 1.480	VICTOR H. AND 7115 SPUR CIRCI
400 I, S, D	<u>43-12051</u>	Underground S130 W1200 N4 19 2S 4W US	<u>well info</u>	A	20080207 DIS	0.000 1.730	PHILLIP V. AND VAUGHAN PO BOX 993
400 I, S, D	<u>43-12063</u>	Underground S690 E875 NW 21 2S 4W US	<u>well info</u>	A	20080227 DI	0.000 1.200	TONY AND DEBI P.O. BOX 748
400 I, S, D	<u>43-12073</u>	Underground N530 E1500 SW 20 2S 4W US	<u>well info</u>	A	20080325 DI	0.000 1.450	RAY MOUNTEEF 344 EAST 200 SOI
400 I, S, D	<u>43-12080</u>	Underground N600 E300 W4 17 2S 4W US	<u>well info</u>	A	20080410 DIS	0.000 1.480	BENJAMIN AND HENDERSON 264 EAST JORDA
40 I, S, D	<u>43-5050</u>	Underground N700 E200 SW 01 2S 5W US		P	19350000 DIS	0.015 0.000	TONY AND JOSE 2033 REDONDO
80 I, S, D	<u>43-7690</u>	Underground N1188 W2140 E4 12 2S 5W US	<u>well info</u>	P	19750225 DIS	0.014 0.000	LEO L. AND BET FARNSWORTH BOX 26
80 S	<u>43-7691</u>	Underground S252 E950 NW 18 2S 4W US	<u>well info</u>	P	19750225 S	0.015 0.000	LEO L. AND BET FARNSWORTH STAR ROUTE
20 I, S, D	<u>43-7692</u>	Underground S900 E180 NW 18 2S 4W US	<u>well info</u>	P	19750225 DIS	0.015 0.000	LEO L. AND BET FARNSWORTH STAR ROUTE
100 I, S	<u>43-7786</u>	Underground N700 0 S4 01 2S 5W US	<u>well info</u>	P	19750825 IS	0.015 0.000	TONY AND JOSE 2033 REDONDO
580 INDUSTRIAL DRAINAGE	<u>43-8335</u>	Underground N1452 E1673 SW 07 2S 4W US	<u>well info</u>	P	19780922 O	0.015 0.000	SHELL OIL COM BOX 831

43013340910000 Bournakis 5-18B4

Casing Schematic



✓ Strip. surf. cnt.
✓ Strip cnt on prod. csg.

Well name:

43013340910000 Bournakis 3-18B4Operator: **El Paso E & P Company, L.P.**

String type: Conductor

Project ID:

43-013-34091-0000

Location: Duchesne County, Utah

Design parameters:**Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 76 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 178 ft

BurstMax anticipated surface
pressure: 253 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 349 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)**Non-directional string.**

Tension is based on buoyed weight.

Neutral point: 700 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	800	13.375	54.50	J-55	ST&C	800	800	12.49	694.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	349	1130	3.238	349	2730	7.82	38	514	13.46 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: (801) 538-5357
FAX: (801) 359-3940Date: November 3, 2008
Salt Lake City, Utah**Remarks:**Collapse is based on a vertical depth of 800 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43013340910000 Bournakis 3-18B4		
Operator:	El Paso E & P Company, L.P.		
String type:	Surface	Project ID:	43-013-34091-0000
Location:	Duchesne County, Utah		

Design parameters:
Collapse

Mud weight: 8.900 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 146 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 1,550 ft

Burst

Max anticipated surface pressure: 4,524 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,800 psi

Annular backup: 2.33 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 5,032 ft

Non-directional string.
Re subsequent strings:

Next setting depth: 13,800 ft
Next mud weight: 13.500 ppg
Next setting BHP: 9,678 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,800 ft
Injection pressure: 5,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5800	9.625	40.00	N-80	LT&C	5800	5800	8.75	2469.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1980	3090	1.561	5098	5750	1.13	201	737	3.66 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: November 3, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5800 ft, a mud weight of 8.9 ppg. An internal gradient of .121 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

43013340910000 Bournakis 3-18B4Operator: **El Paso E & P Company, L.P.**String type: **Production**

Project ID:

43-013-34091-0000Location: **Duchesne County, Utah****Design parameters:****Collapse**Mud weight: 13.500 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 258 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 9,861 ft

BurstMax anticipated surface pressure: 6,642 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,678 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)**Non-directional string.**

Tension is based on buoyed weight.

Neutral point: 11,302 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	10600	5.5	17.00	HCP-110	LT&C	10600	10600	4.767	1383.6
1	3200	5.5	20.00	P-110	LT&C	13800	13800	4.653	398.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	7434	8551	1.150	8974	10640	1.19	194	445	2.29 J
1	9678	11100	1.147	9678	12630	1.31	14	548	39.06 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: (801) 538-5357
FAX: (801) 359-3940Date: November 3, 2008
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 13800 ft, a mud weight of 13.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW

El Paso Bournakis 3-18B4 API 43-013-34091-0000

Well Name	El Paso Bournakis 3-18B4 API 43-013-34091-0000		
	String 1	String 2	String 3
Casing Size (")	13 3/8	9 5/8	5 1/2
Setting Depth (TVD)	800	5800	13800
Previous Shoe Setting Depth (TVD)	0	800	5800
Max Mud Weight (ppg)	8.33	10	13.5
BOPE Proposed (psi)	500	1000	5000
Casing Internal Yield (psi)	2730	5750	10640
Operators Max Anticipated Pressure (psi)	9329		13.0 ppg

Calculations	String 1	13 3/8 "
Max BHP [psi]	.052*Setting Depth*MW =	347
		BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	251 YES ✓ 5" by 20" rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	171 YES
		*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	171 ← NO OK
Required Casing/BOPE Test Pressure		800 psi
*Max Pressure Allowed @ Previous Casing Shoe =		0 psi

Calculations	String 2	9 5/8 "
Max BHP [psi]	.052*Setting Depth*MW =	3016
		BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2320 NO OK 5 x 13.375" rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1740 NO
		*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	1916 ← NO NO expected pressure
Required Casing/BOPE Test Pressure		4025 psi
*Max Pressure Allowed @ Previous Casing Shoe =		800 psi

Calculations	String 3	5 1/2 "
Max BHP [psi]	.052*Setting Depth*MW =	9688
		BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	8032 NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	6652 NO → Previous shoe max press. of 5700psi prob. ok
		*Can Full Expected Pressure Be Held At Previous Shoe? op. Anticipate 0.8 psi/ft frac grad.
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	7928 ← NO Reasonable
Required Casing/BOPE Test Pressure		5000 psi
*Max Pressure Allowed @ Previous Casing Shoe =		5750 psi



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 5, 2008

El Paso E&P Company, LP
P O Box 847
Mills, WY 82644

Re: Bournakis 3-18B4 Well, 976' FSL, 1544' FEL, SW SE, Sec. 18, T. 2 South, R. 4 West,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34091.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor



Operator: El Paso E&P Company, LP
Well Name & Number Bournakis 3-18B4
API Number: 43-013-34091
Lease: Fee

Location: SW SE Sec. 18 T. 2 South R. 4 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Page Two
43-013-34091
November 5, 2008

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
5. Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 5550' MD in order to adequately isolate the Green River formation.
6. Surface casing shall be cemented to the surface.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EL PASO E&P COMPANY, LP

Well Name: BOURNAKIS 3-18B4

Api No: 43-013-34091 Lease Type: FEE

Section 18 Township 02S Range 04W County DUCHESNE

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 01/07/2009

Time 3:00 PM

How DRY

Drilling will Commence: _____

Reported by WAYNE GARNER

Telephone # (435) 823-1490

Date 01/12/2009 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: El Paso E & P Company, LP Operator Account Number: N 3065
Address: 1099 18th St. Ste 1900
city Denver
state CO zip 80202 Phone Number: (303) 291-6417

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334091	Boumakls 3-18B4		SWSE	18	2S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17264	1/7/2009		1/29/09		
Comments: <u>WSTC</u> CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Marie O'Keefe

Name (Please Print)

Marie O'Keefe

Signature

Sr. Regulatory Analyst

1/15/2009

Title

Date

RECEIVED

JAN 20 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: El Paso E & P Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1099 18th St. Ste 1900 CITY Denver STATE CO ZIP 80202	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 976 FSL & 1544 FEL COUNTY: Duchesne QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 18 T2S R4W STATE: UTAH	8. WELL NAME and NUMBER: Bournakis 3-18B4
PHONE NUMBER: (303) 291-6417	9. API NUMBER: 4301334091
	10. FIELD AND POOL, OR WILDCAT: Altamont/Bluebell

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/8/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: infrastructure csg spud
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

El Paso E&P spud 1/7/09 Set 50 of 20" x 52.7 lb/pft cemented with ready mix type G 4.5 yards.
Notified Dennis Ingram @ DOGM. GL 6521'

NAME (PLEASE PRINT) Marie O'Keefe	TITLE Sr. Regulatory Analyst
SIGNATURE <i>Marie O'Keefe</i>	DATE 1/23/2009

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JAN 26 2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: El Paso E & P Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1099 18th St. Ste 1900 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 976 FSL & 1544 FEL		8. WELL NAME and NUMBER: Bournakis 3-18B4
PHONE NUMBER: (303) 291-6417		9. API NUMBER: 4301334091
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 18 T2S R4W		10. FIELD AND POOL, OR WILDCAT: Altamont/Bluebell
COUNTY: Duchesne		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>2/15/2009</u> <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

El Paso E&P requests approval to revise the approved proposed 5-1/2" casing program to:
7" intermediate Casing and 4-1/2" liner.

Size of hole	Casing Size	Grade & weight Per Foot	Setting Depth	Cement Type, Quantity, Yield, and Slurry Weight		
8-3/4"	7"	HCP-110 26 lb.	0-10,993	Lead: G 420 sx	2.3 cuft/sk	12.5 lb/gal
				Tail: G 60 sx	1.64 cuft/sk	14.1 lb/gal
6-1/8"	4-1/2"	P-110 15.1 lb	10,793-13,800	Class G 180 sx	1.54 cuft/sk	14.1 lb/gal

COPY SENT TO OPERATOR

Date: 2.5.2009
Initials: KS

NAME (PLEASE PRINT) <u>Marie OKeefe</u>	TITLE <u>Sr. Regulatory Analyst</u>
SIGNATURE <u>Marie OKeefe</u>	DATE <u>1/30/2009</u>

(This space for State use only)

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

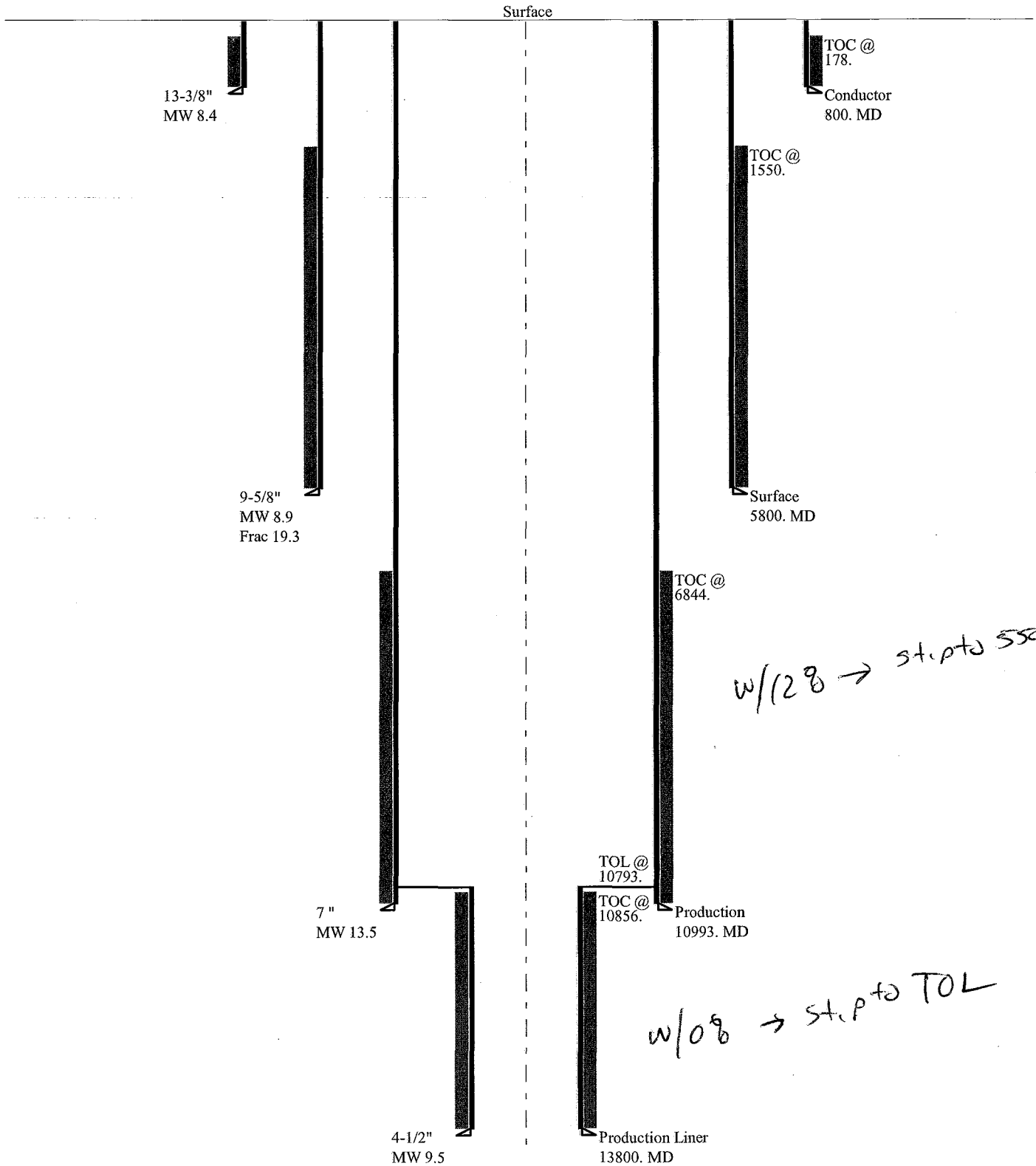
DATE: 2/4/09
BY: [Signature]
(See Instructions on Reverse Side)

**RECEIVED
FEB 02 2009**

* 7" intermediate casing and 4 1/2" liner shall be cemented back into previous casing shoe. DIV. OF OIL, GAS & MINING

43013340910000 Bournakis 3-18B4rev

Casing Schematic



Well name:	43013340910000 Bournakis 3-18B4rev		
Operator:	El Paso E & P Company, L.P.		
String type:	Production	Project ID:	43-013-34091-0000
Location:	Duchesne County, Utah		

Design parameters:

Collapse

Mud weight: 13.500 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 219 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Burst:

Design factor 1.00

Cement top: 6,844 ft

Burst

Max anticipated surface pressure: 5,291 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,709 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 8,755 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10993	7	26.00	HCP-110	LT&C	10993	10993	6.151	2361.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	6379	7800	1.223	7709	9950	1.29	228	693	3.04 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: February 4, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10993 ft, a mud weight of 13.5 ppg. An internal gradient of .121 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43013340910000 Bournakis 3-18B4rev	
Operator:	El Paso E & P Company, L.P.	
String type:	Production Liner	Project ID: 43-013-34091-0000
Location:	Duchesne County, Utah	

Design parameters:

Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 258 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 10,856 ft

Liner top: 10,793 ft

Non-directional string.

Burst

Max anticipated surface pressure: 5,154 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 6,810 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 13,368 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3000	4.5	15.10	P-110	LT&C	13800	13800	3.701	239.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	6810	14350	2.107	6810	14420	2.12	39	406	10.47 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: February 4, 2009
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13800 ft, a mud weight of 9.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: El Paso E & P Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1099 18th St. Ste 1900 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 976 FSL & 1544 FEL		8. WELL NAME and NUMBER: Bournakis 3-18B4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 18 T2S R4W		9. API NUMBER: 4301334091
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Altamont/Bluebell

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

El Paso E&P submits notice of intent to confirm that discussion between Travis Lauer, El Paso drilling engineer and Dustin Doucet, DOGM petroleum engineer took place on 3/2/09 and El Paso received verbal approval for the following change:

El Paso will set 9-5/8" surface casing at 5,463' (337' shallower than the permitted depth of 5,800'). Per discussion with Dustin, we feel we are at a depth below the base of moderately saline ground water. Also, based on offset intermediate TD mud weights, the shallower casing shoe will not have a detrimental effect on well control issues drilling to the next casing shoe.

COPY SENT TO OPERATOR

Date: 3/18/2009

Initials: KS

NAME (PLEASE PRINT) Marie OKeefe	TITLE Sr. Regulatory Analyst
SIGNATURE <i>Marie OKeefe</i>	DATE 3/2/2009

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3/2/09
BY: *[Signature]*
(See Instructions on Reverse Side)

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MAR 03 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: El Paso E & P Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1099 18th St. Ste 1900 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 976 FSL & 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 18 T2S R4W		8. WELL NAME and NUMBER: Bournakis 3-18B4
PHONE NUMBER: (303) 291-6417		9. API NUMBER: 4301334091
		10. FIELD AND POOL, OR WILDCAT: Altamont/Bluebell
		COUNTY: Duchesne
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 4/4/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Drilling Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EL PASO E & P COMPANY DRILLED SUBJECT WELL ACCORDING TO ATTACHED REPORT.

NAME (PLEASE PRINT) Marie OKeefe	TITLE Sr. Regulatory Analyst
SIGNATURE <i>Marie OKeefe</i>	DATE 7/2/2009

(This space for State use only)

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/19/2009	06:00 - 07:00	1.00	D	01		Wait on day light
	07:00 - 07:30	0.50	D	18		Safety meeting w/ trucking, crane and rig crews
	07:30 - 19:00	11.50	D	01		Take down tarps and pre fab. Split derrick and load out. Lower substructure. Rig down SCR houses and load out. Remove draw works from floor and load out. Lower "A" legs on substructure. Remove frogs from substructure. Remove bridle line. Load out sub halves. All loads off of location with the exception of 2 mud pits, #1 mud pump, Top drive power unit, gas buster, and clean up.
2/20/2009	19:00 - 06:00	11.00	D	18		Wait on daylight
	06:00 - 07:00	1.00	D	18		Wait on Daylight
	07:00 - 19:00	12.00	D	01		Set and level sub halves. Install frogs. Put draw works on floor. Install flooring around draw works. Install tarp rails and tarps around draw works. Set pump and kill manifold, Set both pumps and hook up. Set both steel pits and manifold together. Set water tank, SCR houses, Koomey shack, and BOS tank. Hook up electrical and fuel lines. Set in gas buster and hook up flow line to shakers. Line up derrick and pin together.
2/21/2009	19:00 - 06:00	11.00	D	18		Wait on daylight.
	06:00 - 19:00	13.00	D	01		Continue rigging up. Install pre fab and tarps. Attach lines to raising winches. Raise floor. Finish setting in rig. 400 Bbl Tanks, Top Drive house. Install board on derrick. Install bridle lines from Sub to derrick. Start stringing up blocks.
2/22/2009	19:00 - 06:00	11.00	D	18		Wait on Daylight
	06:00 - 07:00	1.00	D	01		PJSM with crews, Crane, and Trucking. String up blocks. Spool drilling line and tie back to dead line anchor. Work on tarps. PJSM and Derrick inspection prior to raising. Raise derrick. Install racking platform. Spot manifold house. Hook up gas buster. Raise racking platform. Set in front end (catwalk, Top Drive power unit, Flow stack) Cut off 20" and 13 3/8" casing. Weld on Braden head (Top of head 16" below top of matting boards)
2/23/2009	07:00 - 06:00	23.00	D	01		Rig up steam and water lines. Finish with tarps.
	06:00 - 12:00	6.00	D	01		Finish steam and water lines. Lay out Dynaplex. Pick up swivel. Install splash pan.
	12:00 - 12:15	0.25	D	01		Safety meeting (Pick up Top drive)
	12:15 - 18:00	5.75	D	01		Pick up torque tube, hydraulic hoses, and saddle.
	18:00 - 00:00	6.00	D	01		Pick up torque bushing and hang top drive from swivel.
2/24/2009	00:00 - 00:15	0.25	D	18		Safety Meeting (Nipple up BOP's - review JSA #15)
	00:15 - 06:00	5.75	D	01		Finish rigging up top drive.
	06:00 - 08:00	2.00	D	15		Nipple up 13 5/8" 10K Class V Bop
	08:00 - 11:00	3.00	D	18		Prespud meeting held at Altamont gas plant
	11:00 - 12:00	1.00	D	15		Cont. nipple up Bop
	12:00 - 12:15	0.25	D	18		Safety meeting Nipple up Bop's
	12:15 - 21:30	9.25	D	15		Cont. nipple up Bop's
	21:30 - 23:45	2.25	D	15		High torque pump not working wait for new pump from Vernal. Continue nipple up choke line.
	23:45 - 03:45	4.00	D	15		Torque up BOP stack. Continue nipple up choke line.
	03:45 - 05:15	1.50	D	15		Change cross over from 4 1/2 FH to 4 1/2 XH on top drive, prepare & pick up test plug, RIH & set in csg bowl. Wrong cross over on test plug, unable to use cross over from wear bushing, Weatherford hot shooting cross over from Vernal.
2/25/2009	05:15 - 06:00	0.75	D	09		Press test choke manifold 250 psi low, 1000 psi high.
	06:00 - 12:00	6.00	D	09		Press test Pipe rams, Blind rams, choke manifold, inside BOP, stabbing valve, kill lines, HCR & manual HCR to 300 psi low, 5000 psi high. Test annular to 3600 psi. Pres test csg to 1000 psi.



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/25/2009	12:00 - 12:15	0.25	D	18		Safety meeting (press testing)
	12:15 - 16:00	3.75	D	09		Finish press testing & function test accumulator
	16:00 - 16:45	0.75	D	06		Slip & cut drill line
	16:45 - 17:00	0.25	D	06		Rig service
	17:00 - 17:30	0.50	DT	60		Work on top drive
	17:30 - 19:00	1.50	DT	53		Attempt to instal wear bushing, leave out.
	19:00 - 20:00	1.00	D	04		Make up BHA.
	20:00 - 00:00	4.00	D	04		RIH w/ DC & HWD.
	00:00 - 00:15	0.25	D	18		Safety meeting (RIH w/ BHA) review JSA # 9
	00:15 - 00:30	0.25	D	04		RIH picking up pipe.
	00:30 - 02:30	2.00	D	13		Drill out cement. Tag cement top @ 766 ft. Tag float collar @ 789 ft.
	02:30 - 02:45	0.25	D	03		Drill from 836'-850'.
	02:45 - 03:00	0.25	D	18		BOP drill 92 sec to shut well in.
	03:00 - 03:30	0.50	D	18		Formation leak off. leak off gradient .81psi/ft
	03:30 - 05:30	2.00	D	03		Drill f/ 850'-1011'
2/26/2009	05:30 - 06:00	0.50	D	05		Acc. connection time
	06:00 - 11:30	5.50	D	03		Drill 21 1/4" hole f/ 1011' - 1441'
	11:30 - 12:00	0.50	D	05		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety Meeting Mouse hole connections
	12:15 - 12:45	0.50	D	03		Drill f/ 1441' - 1486'
	12:45 - 13:00	0.25	D	05		Survey @ 1429'
	13:00 - 16:00	3.00	D	03		Drill f/ 1486' - 1683'
	16:00 - 16:15	0.25	D	06		Rig Ser. Function annular preventor c / o 23 sec's
	16:15 - 17:30	1.25	D	03		Drill f/ 1683' - 1773'
	17:30 - 18:00	0.50	D	05		Acc. connection time
	18:00 - 23:30	5.50	D	03		Drill f/ 1773' - 2133' 360ft 65 ft/hr
	23:30 - 23:45	0.25	D	05		Survey @ 1871' 0.7 Inc. 214.4 Azm
	23:45 - 00:00	0.25	D	05		Acc Connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (Pipe spinner use) JSA # 47
	00:15 - 02:15	2.00	D	03		Drill f/ 2133'-2249' 116 ft. 58 ft/hr
2/27/2009	02:15 - 02:30	0.25	D	06		Rig service
	02:30 - 05:30	3.00	D	03		Drill f/ 2249'-2415' 166 ft 55 ft/hr
	05:30 - 06:00	0.50	D	05		ACC Connection time
	06:00 - 06:45	0.75	DT	64		Acc. survey time (3 failed surveys)
	06:45 - 11:30	4.75	D	03		Drill 12 1/4" hole f/ 2415' - 2700'
	11:30 - 12:00	0.50	D	03		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Plan for working safe in 2009
	12:15 - 16:30	4.25	D	03		Drill f/ 2700' - 2947' 247 ft. 58 ft/hr
	16:30 - 16:45	0.25	D	05		Survey, misssrun
	16:45 - 17:00	0.25	D	06		Rig service
	17:00 - 17:30	0.50	D	05		Acc connection time
	17:30 - 23:30	6.00	D	03		Drill f/ 2947'-3328' 381 ft. 63.5 ft/hr. Close in mud system, monitor loses 2hrs, 105 bbl loses, 53 bbls/hr. open up back to resreve pit.
	23:30 - 00:00	0.50	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (trapped torque)
	00:15 - 03:30	3.25	D	03		Drill f/ 3328'-3517' 189 ft. 58 ft/hr
2/28/2009	03:30 - 03:45	0.25	D	06		Rig service. Function upper pipe rams 7 sec.
	03:45 - 04:00	0.25	D	05		Survey, misssrun
	04:00 - 05:30	1.50	D	03		Drill f/ 3517'-3615'. 98ft. 65 ft/hr. Close in mud tank system, monitor fluid loses @ 38 bbls/hr. Open up back to resreve pit.
	05:30 - 05:45	0.25	D	05		Acc connection time
	05:45 - 06:00	0.25	D	03		Drill f/ 3615'-3625' 10 ft 40 ft/hr
	06:00 - 06:30	0.50	D	05		Acc. connection time



EL PASO PRODUCTION

Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
 Common Well Name: BOURNAKIS 3-18B4
 Event Name: DRILLING
 Contractor Name: WD MARTIN
 Rig Name: WD MARTIN

Start: 1/7/2009
 Rig Release:
 Rig Number:

Spud Date: 1/8/2009
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/28/2009	06:30 - 12:00	5.50	D	03		Drill 12 1/4" hole f/ 3625' - 3913'
	12:00 - 12:15	0.25	D	18		Safety meeting Operating catwalk skate
	12:15 - 13:30	1.25	D	03		Drill f/ 3913' - 3994'
	13:30 - 13:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 7 sec's
	13:45 - 14:00	0.25	D	05		Deviation survey @3932'
	14:00 - 14:30	0.50	D	05		Acc. connection time
	14:30 - 22:45	8.25	D	03		Drill f/ 3994' - 4367'. 373 ft. 45 ft/hr. pumping 10 bbl sweeps every 50 ft.
	22:45 - 23:00	0.25	D	06		Rig service
	23:00 - 23:45	0.75	D	03		Drill f/ 4367'-4401'. 34 ft 45 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (Rotary table)
	00:15 - 03:30	3.25	D	03		Drill f/ 4401'-4551'. 150 ft. 46 ft/hr
	03:30 - 03:45	0.25	D	06		Rig service
	03:45 - 04:00	0.25	D	06		Survey
	04:00 - 05:30	1.50	D	03		Drill f/ 4551'-4646'. 95 ft. 63.3 ft/hr. Erratic penetration.
	05:30 - 06:00	0.50	D	05		ACC connection time
3/1/2009	06:00 - 06:30	0.50	D	05		Acc. connection time
	06:30 - 12:00	5.50	D	03		Drill 12 1/4" hole f/ 4646' - 4902'
	12:00 - 12:15	0.25	D	18		Safety meeeting Week end awarness
	12:15 - 17:45	5.50	D	03		Drill f/ 4902' - 5064' 162 ft. 29.4 ft/hr
	17:45 - 18:00	0.25	D	05		Acc. connection time
	18:00 - 20:15	2.25	D	03		Drill f/ 5064' - 5107' 64 ft. 19 ft/hr
	20:15 - 20:30	0.25	D	06		Rig service
	20:30 - 20:45	0.25	D	06		Survey
	20:45 - 23:45	3.00	D	03		Drill f/ 5107' - 5195' 88 ft. 29.3 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (House etiquette)
	00:15 - 04:00	3.75	D	03		Drill f/ 5195'-5238'. 43 ft. 11.5 ft/hr. Mud up @ 5201 ft.
	04:00 - 04:45	0.75	D	08		Circ Heavey LCM up.
	04:45 - 05:00	0.25	D	04		Pull 3 stands. Flow check 10 min.
	05:00 - 05:15	0.25	D	08		Pump slug in pipe. LCM pill spotted @ 2000 ft.
	05:15 - 06:00	0.75	D	04		POOH. for PDC.
3/2/2009	06:00 - 09:30	3.50	D	04		Cont. POH f/ 3553' Flow ck 2431', 711' Well taking 12 bph
	09:30 - 10:30	1.00	D	04		Recover MWD probe Cont. POH Remove and inspect bit Had 32 cracked & damaged cutters Bit 1/8" undergauge
	10:30 - 11:30	1.00	DT	54		Attempt to install wear bushing Unable to get below annular element
	11:30 - 13:30	2.00	DT	61		Make up bit # 2 PDC DSX70A12HF Unable to get MWD probe to seat in HBHO sub After numerous attempts at seating MWD, changed out UBHO sub !!
	13:30 - 16:45	3.25	D	04		RIH, Ream last 5 stand to bottom. F/ 4831'-5238'.
	16:45 - 17:00	0.25	D	05		Survey @ 5177' Inc 0.9 Azm 209.8
	17:00 - 18:00	1.00	D	03		Drill f/ 5238'-5265' 27 ft. 27 ft/hr
	18:00 - 18:15	0.25	D	06		Rig service
	18:15 - 23:45	5.50	D	03		Drill f/ 5265'-5362' 97 ft. 17.6 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (Pulling slips)
	00:15 - 02:00	1.75	D	03		Drill f/ 5362'-5384'. 22 ft 12.5 ft/hr
	02:00 - 02:15	0.25	D	06		Rig service. Function annular 23 sec. Lower pipe rams 7 sec.
	02:15 - 06:00	3.75	D	03		Drill f/ 5384'-5419' 35 ft. 9.3 ft/hr
3/3/2009	06:00 - 12:00	6.00	D	03		Drill 12 1/4" hole f/ 5419' - 5456'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping dp
	12:15 - 13:00	0.75	D	03		Drill f/ 5456' - 5462' Casg. Pt.
	13:00 - 13:45	0.75	D	08		Circ. btms. up



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/3/2009	13:45 - 14:00	0.25	D	05		Deviation survey @5404'
	14:00 - 15:45	1.75	D	04		Make 10 std. wiper trip up to 4737' Flow ck. Well taking 6 bph
	15:45 - 17:30	1.75	D	08		Circ. btms. up 2X
	17:30 - 20:15	2.75	D	04		Flow Ck. 5462', 5005'. 2432' Pump trip pill POH
	20:15 - 20:30	0.25	D	18		BOP Drill while tripping
	20:30 - 21:30	1.00	D	04		POOH to run csg. Flow Ck. 2432'
	21:30 - 23:00	1.50	D	04		Lay down 9.5" DC, TBR, Monel & Mud motor
	23:00 - 23:15	0.25	D	06		Rig service
	23:15 - 00:00	0.75	D	12		Clear floor & rig in Csg crew. Hole fill diff 25.34 bbls +.
	00:00 - 00:30	0.50	D	12		Clear floor & rig in Csg crew.
	00:30 - 00:45	0.25	D	18		Safety meeting. (Running Csg)
	00:45 - 01:00	0.25	D	06		Rig service
	01:00 - 02:30	1.50	D	12		Continue to rig in csg crew
	02:30 - 02:45	0.25	D	18		Safety meeting picking up csg
3/4/2009	02:45 - 06:00	3.25	D	12		Make up Float shoe & float collar, run 122 jt 9 5/8" # 40 N-80, LT&C. Make up torque 7370 ft/lbs make up torque. RIH @ 812'
	06:00 - 10:00	4.00	D	12		Cont. running 9 5/8 casg. f/ 244' - 3838' No returns f/ 2808' - 3838' Fill casg. and brk. circ. every 20 jts.
	10:00 - 11:30	1.50	DT	57		Build 600 bbls. vol. Viscosity 44 Wt. 8.9 ppg with 8 ppb lcm
	11:30 - 14:45	3.25	D	12		Start pumping, got partial returns after pumping 11 bbls. Casg. cap. 291 bbls. Losses decreased considerably once lcm started coming up the annulus Cont. washing casg. to btm. @ 5462' Had 25' hard fill on btm.
	14:45 - 16:00	1.25	D	08		Circ. cond. mud and hole No mud losses last 2 hrs.
	16:00 - 16:30	0.50	D	12		Lay down 2 jts. casg. used to tag btm. Make up landing jt. Ran 117 jts. 9 5/8 N80 40# LT&C casg. Length with float equip., casg. hanger & landing jt. 5454.51'
	16:30 - 19:45	3.25	D	08		Cont. circ. while rigging in Schlumberger
	19:45 - 20:00	0.25	D	14		Safety meeting with cementers
	20:00 - 00:30	4.50	D	14		Preflush ahead 20 bbls Fresh water, 20 bbls S1 solution, stop clean lines, 30 bbl spacer fresh water, 20 bbls zone lock, stop clean lines, 30 bbls fresh water, Cement w/ 975 sk "G" High Lift 11 ppg, 682 bbl slurry Lead, 210 sks (10:0RFC)G+ 14.2 ppg, 59 bbl slurry. Mix CemNET conversion in first 100 bbls, next 100 bbls with out, next 100 bbls with, alternating every 100 bbls to end of Lead. Mix in CemNET in tail cement. CemNET mix @ 1 lb/ bbl. Displace w/ 20 bbls water & 389 bbls 8.7 ppg 44 vis mud. Plug down 00:30 hrs 03/04/2009. Float held. Preflush water returns. Fluid dropped in annulus after stopped pumping.
	00:30 - 01:00	0.50	D	14		Rig out cementers.
	01:00 - 01:15	0.25	D	06		Rig service
	01:15 - 06:00	4.75	DT	52		Wait on cement for tempure log.
	06:00 - 11:00	5.00	DT	52		Wait on cmt.
	11:00 - 13:15	2.25	DT	52		Rig in Cased Hole Solutions Hold safety meeting Run temperature log to 3000' Cmt. top located at 760' Dennis Ingram (DNR) on loc. to verify cmt. top
3/5/2009	13:15 - 13:30	0.25	DT	52		Safety meeting (Logging)
	13:30 - 18:00	4.50	D	10		Install packoff bushing Inject stick packing Press. test packoff to 6000 psi Install wear bushing
	18:00 - 19:00	1.00	D	09		Press. test casg. to 300 psi low & 1500 psi high 10 min. duration
	19:00 - 21:00	2.00	D	04		Make up BHA # 3.
	21:00 - 00:30	3.50	D	04		RIH w/ PDC # 3. Pluse test survey tools @ 851 ft. RIH. Fill pipe @ 2852 ft. RIH to 5376 ft.
	00:30 - 00:45	0.25	D	18		Safety meeting. BOP drill, well secure 92 sec.
	00:45 - 01:00	0.25	D	06		Rig service



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Spud Date: 1/8/2009
Start: 1/7/2009
End:
Rig Release:
Group:
Rig Number:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/5/2009	01:00 - 01:45	0.75	D	06		Slip Cut line
	01:45 - 02:45	1.00	D	13		Drill out. Tag cement @ 5395'. Drill out Float collar @ 5414' & Float shoe @ 5450'
	02:45 - 03:15	0.50	D	08		Circ hole clean.
	03:15 - 03:30	0.25	D	18		FIT @ 5450 ft press to 1118 psi Mud wt. 12.84 ppg. Formation gradient 0.66 psi/ft.
	03:30 - 04:15	0.75	D	03		Drill f/ 5462'-5467.5'
	04:15 - 05:15	1.00	DT	59		Stuck in hole @ PDC. On bottom. Work pipe no movement. Pull to 226000 lbs, pipe free. Pull up into csg work pipe in csg. no drag. Pump press high, dropped back to normal.
3/6/2009	05:15 - 05:45	0.50	D	03		Drill f/ 5467.5' to 5479'
	05:45 - 06:00	0.25	D	05		Work pipe make connection
	06:00 - 08:30	2.50	D	03		Drill 8 3/4" hole f/ 5479' - 5540'
	08:30 - 09:15	0.75	D	05		Work tight hole and connection time
	09:15 - 13:15	4.00	D	03		Drill f/ 5540' - 5633' 93 ft 23.25 ft/hr
	13:15 - 13:45	0.50	D	05		Connection and survey time
	13:45 - 17:15	3.50	D	03		Drill f/ 5633' - 5725' 92 ft. 26.28 ft/hr
	17:15 - 17:45	0.50	D	05		Acc. connection and survey time No response from SDT tool
	17:45 - 22:00	4.25	D	03		Drill f/ 5725' - 5817' 92 ft. 21.64 ft/hr
	22:00 - 22:30	0.50	D	05		Work tight hole. Acc connection time.
	22:30 - 03:45	5.25	D	03		Drill f/ 5817'-5909' 90 ft. 17 ft/hr. Pason conection units 326
	03:45 - 04:15	0.50	D	05		Acc connection time
3/7/2009	04:15 - 06:00	1.75	D	03		Drill f/ 5909'-5926' 17 ft. 9.7 ft/hr
	06:00 - 12:00	6.00	D	03		Drill 8 3/4" hole f/ 5926' - 6002'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping dp
	12:15 - 12:30	0.25	D	06		Rig Ser. Function annular preventor c / o 18 sec's
	12:30 - 12:45	0.25	DT	64		Attempt to run survey Missrun
	12:45 - 13:00	0.25	D	18		Acc. connection time
	13:00 - 13:45	0.75	D	03		Drill f/ 6002' - 6017' Have lost 900 - 1000psi since early morning CK both pumps & surface equip. Everything checks out Ok
	13:45 - 18:00	4.25	DT	62		POH wet looking for wash out Flow ck'd at 5816', 3461', 890' & OOH Well static
	18:00 - 20:00	2.00	DT	62		Change out Motor, PDC & Survey tool. .
	20:00 - 22:00	2.00	DT	62		RIH w/ motor, Monel collar, two stands of DP. Kelly up & fill pipe. Press up to 525 psi. POOH check float in motor, was installed properly. RIH w/ motor, Monel one stand of DP. PPress up to 3000 psi. Bleed off. POOH. Install tongs & attempt to turn stadder. Unable. Change out survey to paluse tool.
	22:00 - 00:00	2.00	DT	62		Wait for mud motor.
	00:00 - 01:30	1.50	DT	62		Make up new mud motor, RIH w/ motor, monel collar & one stand DP. Paluse test survey tool & motor rotation. POOH & stand back stand.
3/8/2009	01:30 - 02:00	0.50	DT	62		Finish making up BHA.
	02:00 - 06:00	4.00	DT	62		RIH. Fill pipe @ 917 ft, 4039 ft. Had full return while running to 4039ft. Start RIH 4415 had no returns. RIH to 5550 ft Fill pipe & survey. Full returns RIH. Wash last two stands to bottom.
	06:00 - 06:30	0.50	D	09		Press. test mud manifold valves to 1000 psi Tested Ok
	06:30 - 11:45	5.25	D	03		Drill 8 3/4" hole f/ 6017' - 6168'
	11:45 - 12:00	0.25	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Week End Awareness
	12:15 - 14:30	2.25	D	03		Drill f/ 6168' - 6278'
	14:30 - 14:45	0.25	D	06		Rig Ser. Function lower pipe rams c / o 5 sec's
	14:45 - 15:00	0.25	D	05		Survey @6221'
	15:00 - 15:30	0.50	D	18		Acc. connection time



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/8/2009	15:30 - 21:30	6.00	D	03		Drill f/ 6278' - 6646' 368 ft. 61.3 ft/hr. Pumping 10 bbl. Hi Vis every 1000' and 10 bbl. cal. carb. sweep every 180' No noticeable down hole losses
	21:30 - 21:45	0.25	D	06		Rig service. Function upper & lower pipe rams 7 sec.
	21:45 - 23:30	1.75	D	03		Drill f/ 6646'-6743' 97 ft. 55.4 ft/hr.
	23:30 - 00:00	0.50	D	05		Connection & survey time.
	00:00 - 00:15	0.25	D	18		Safety meeting (Rotary Table)
	00:15 - 04:45	4.50	D	03		Drill f/ 6743'-6926' 183 ft. 40.66 ft/hr
	04:45 - 05:00	0.25	D	06		Rig service. Function annular 23 sec.
	05:00 - 05:30	0.50	D	05		Connection time & survey time.
	05:30 - 06:00	0.50	D	03		Drill f/ 6926' - 6958' 30ft.60 ft/hr
	06:00 - 11:15	5.25	D	03		Drill 8 3/4" hole f/ 6958' - 7350'
3/9/2009	11:15 - 12:00	0.75	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Loader operation
	12:15 - 14:30	2.25	D	03		Drill f/ 7350' - 7482'
	14:30 - 14:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 5 sec's
	14:45 - 15:00	0.25	D	05		Survey @7412'
	15:00 - 17:30	2.50	D	03		Drill f/ 7482' - 7630' Pumping 10 bbl. Hi Vis sweep every 1000' and 10 bbl. Cal. Carb. sweep every 180' Very minor down hole losses
	17:30 - 18:00	0.50	D	05		Connection time
	18:00 - 21:00	3.00	D	03		Drill f/ 7630'-7760' 130 ft. 43.33 ft/min
	21:00 - 21:15	0.25	D	06		Rig service. Function annular 23 sec.
	21:15 - 23:45	2.50	D	03		Drill f/ 7760'-7820' 60 ft. 24 ft/hr.
3/10/2009	23:45 - 00:00	0.25	D	05		Connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (lockouts)
	00:15 - 04:00	3.75	D	03		Drill f/ 7820'-7945' 125 ft. 33.33 ft/hr. Pumping 10 bbl. Hi Vis sweep every 1000' and 10 bbl. Cal. Carb. sweep every 180' Very minor down hole losses
	04:00 - 04:15	0.25	D	06		Rig service. Function upper & lower pipe rams. 7 sec.
	04:15 - 05:45	1.50	D	03		Drill f/ 7945'-8010' 65 ft. 43.3 ft/hr Back ground gas 380 units.
	05:45 - 06:00	0.25	D	05		Connection gas 1028 units
	06:00 - 06:15	0.25	D	05		Connection time & survey.
	06:15 - 12:00	5.75	D	03		Survey @7888'
	12:00 - 12:15	0.25	D	18		Drill 8 3/4" hole f/ 8010' - 8137'
	12:15 - 17:30	5.25	D	03		Safety Meeting Rolling casg.
3/11/2009	17:30 - 17:45	0.25	D	06		Drill f/ 8137' - 8226'
	17:45 - 18:00	0.25	D	05		Lubricate rig. Function upper/lower pipe rams / 8 seconds/ annular 18 seconds
	18:00 - 21:00	3.00	D	03		Deviation survey / connection time
	21:00 - 21:15	0.25	D	08		Drill actual f/ 8226' - 8246' . Lost 400# of pump pressure.
	21:15 - 00:00	2.75	D	04		Circulate bottoms up. Check surface equipment.
	00:00 - 00:15	0.25	D	18		POOH. FC @ 7847'. Drain kelly
	00:15 - 02:00	1.75	D	04		Safety meeting (Tripping pipe)
	02:00 - 05:00	3.00	D	04		TOH
	05:00 - 06:00	1.00	D	04		Lay down mud motor, break off bit, and lay down torque buster. Pick up new motor. Check MWD. Make up BHA. Pump through kill line with both pumps. TIH with monel and motor and pump through. Check MWD. TOH Make up bit.
	06:00 - 06:15	0.25	D	06		TIH
3/11/2009	06:15 - 09:15	3.00	D	04		Rig Ser. Function upper pipe rams c / o 6 sec's
	09:15 - 10:00	0.75	D	07		Cont. RIH f/ 706' - 8037' Fill Dp at 1109' & 4426'
	10:00 - 12:00	2.00	D	03		Wash f/ 8037' - btm. at 8246' Had 5' fill on btm.
	12:00 - 12:15	0.25	D	18		Drill 8 3/4" hole f/ 8246' - 8285'
						Safety meeting Winter conditions



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/11/2009	12:15 - 15:15	3.00	D	03		Drill f/ 8285' - 8410'
	15:15 - 15:30	0.25	D	06		Lubricate rig. Function upper/lower pipe rams 8 seconds. Annular 18 seconds
	15:30 - 15:45	0.25	D	05		Deviation survey / accumulated connection time.
	15:45 - 18:00	2.25	D	03		Drill f/ 8410' - 8495'
	18:00 - 00:00	6.00	D	03		Drill f/ 8495'-8693'
	00:00 - 00:15	0.25	D	18		Safety meeting (Steam)
	00:15 - 02:30	2.25	D	03		Drill f/ 8693'- 8785'
	02:30 - 02:45	0.25	D	06		Lubricate rig. Function upper/lower. 7 seconds C/O
	02:45 - 05:30	2.75	D	03		Drill f/ 8785' - 8915'
	05:30 - 06:00	0.50	D	05		Survey. Accumulated connection time.
3/12/2009	06:00 - 06:15	0.25	D	05		Deviation survey @8727'
	06:15 - 06:30	0.25	D	18		Acc. connection time
	06:30 - 12:00	5.50	D	03		Drill 8 3/4" hole f/ 8915' - 9260'
	12:00 - 12:15	0.25	D	18		Safety Meeting Mixing chemicals
	12:15 - 13:30	1.25	D	03		Drill f/ 9260' - 9353'
	13:30 - 13:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 8 sec's
	13:45 - 14:00	0.25	D	05		Deviation Survey @ 9294'
	14:00 - 14:45	0.75	D	18		Acc. connection time
	14:45 - 17:00	2.25	D	03		Drill f/ 9353' - 9550' Fair amount of oil coming out of hole
	17:00 - 18:00	1.00	D	05		Deviation time and accumulated connection time.
3/13/2009	18:00 - 23:45	5.75	D	03		Drill f/ 9550' - 9750'
	23:45 - 00:00	0.25	D	18		Accumulated connection time
	00:00 - 00:15	0.25	D	18		Safety Meeting (Long change)
	00:15 - 01:00	0.75	D	03		Drill f/ 9750' - 9792'
	01:00 - 01:15	0.25	D	06		Lubricate rig
	01:15 - 05:30	4.25	D	03		Drill f/ 9792' - 9970' Same amount of oil content over shaker.
	05:30 - 06:00	0.50	D	18		Survey and accumulated connection time.
	06:00 - 11:45	5.75	D	03		Drill 8 3/4" hole f/ 9970' - 10137' Displace hole to drlg. mud at @ 10000'
	11:45 - 12:00	0.25	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Washing out boiler
3/14/2009	12:15 - 16:00	3.75	D	03		Drill f/ 10137' - 10265'
	16:00 - 16:15	0.25	D	06		Rig Ser. Function annular preventor c / o 15 sec's
	16:15 - 17:30	1.25	D	03		Drill f/ 10265' - 10,327'
	17:30 - 18:30	1.00	D	05		Deviation and accumulated connection time.
	18:30 - 00:00	5.50	D	03		Drill f/ 10,327' - 10,544'. Slowed RPM's on bit through hard sections from 10,500 - 10,700.
	00:00 - 00:15	0.25	D	06		Lubricate rig. Function upper / lower pipe rams 8 seconds / annular 18 seconds.
	00:15 - 04:30	4.25	D	03		Drill f/ 10,544' - 10,733 Background gas increased to 2500 units @ 10,580 w/ a peak of 3300 units. 9.0# / Gallon mud. 43 visc. Started raising mud wt. to 9.3# /gallon @ 10,625'.
	04:30 - 04:45	0.25	D	06		Lubricate rig. Function upper/Lower pipe rams 8 seconds. Annular 18 seconds
	04:45 - 05:30	0.75	D	05		Deviation survey. Accumulated connection time.
	05:30 - 06:00	0.50	D	03		Drill f/ 10,733 - 10,790'
3/14/2009	06:00 - 08:15	2.25	D	03		Drill 8 3/4" hole f/ 10790' - 10886'
	08:15 - 15:45	7.50	DT	57		Lost complete returns Did not encounter any drilling brks. or abnormal torque Remove dp screen and screens from suction and discharge on mud pumps Start pumping down dp at 40 spm mixing assortment of lcn
						Lost 531 bbls. drlg. mud before regaining partial returns Cont.



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Spud Date: 1/8/2009
Start: 1/7/2009
End:
Rig Release:
Group:
Rig Number:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/14/2009	08:15 - 15:45	7.50	DT	57		circulating by passing shale shakers (shorten up mud system, using sand trap and trouging back to tank #4) From 1130 hrs. to 1215 hrs. Losses appeared to be nearly healed when all circ. was lost again Cont. pumping at reduced rate mixing, lcm directly into pill tank Regained partial returns after pumping 115 bbls. Keep pumping and mixing lcm as fast as possible Losses gradually slowing down
	15:45 - 16:00	0.25	DT	57		Run back to btm. Previously pulled 2 jts. dp to recover dp screen
	16:00 - 19:30	3.50	D	03		Drill f/ 10886' - 11,000' Continually adding lcm By passing shakers Have lazy 2' flare With 9.6ppg mud, BGG staying around 2800 - 2900 units
	19:30 - 23:30	4.00	DT	57		Circulate and condition mud. BGG @ 2200. Adding LCM and Calcarb. Raising mud wt to lower BGG to 500 units or less. Raising viscosity to 48. Working pipe regularly. Losing 60 - 70 Bbls./Hr. 47 Visc. , 9.8+ Wt. , and 26% LCM.
	23:30 - 01:30	2.00	DT	57		Pull 10 stands, Observe well for losses or gains. Mix LCM pill (40 BBls., 4 sx AES Bridge medium, 10 sx. sawdust, 8 sx. magmafiber, 5 sx. cedar fiber, 4 sx. hog hair, and 5 sx. cottonseed hulls.) Well static. Hole stayed full. No loss.
	01:30 - 02:30	1.00	DT	57		Install rotating head. TIH.
	02:30 - 03:00	0.50	DT	57		Pump LCM pill and displace.
	03:00 - 03:45	0.75	DT	57		Pull 10 stands of drill pipe.
	03:45 - 04:45	1.00	DT	57		Observe well for gains or losses. Wait on LCM pill.
	04:45 - 05:45	1.00	DT	57		TIH
	05:45 - 06:00	0.25	DT	57		Circulate and condition mud. Mix LCM and raise mud wt. to 10.0.
	06:00 - 10:00	4.00	DT	57		Circ. cond. mud and hole Still have minor losses Spot 40 bbl. Hi Vis lcm pill in annulus
	10:00 - 12:00	2.00	DT	57		POH f/ 11000' - 8172' Flow ck. at 10951', 8172' Well taking 12 bph Had slight tight spot at 9431'
	12:00 - 12:15	0.25	DT	57		Safety meeting Setting crown saver
3/15/2009	12:15 - 14:30	2.25	DT	57		Cont. POH f/ 8172' - Casg. shoe at 5450' Slight tight spot at 5963'
	14:30 - 14:45	0.25	DT	57		Rig Ser. Function lower pipe rams c / o 5 sec's
	14:45 - 17:45	3.00	DT	57		RIH Fill dp at 8164'
	17:45 - 22:45	5.00	DT	57		Wash last 200' to bottom. Bridge @ 10,890'. Took 30,000# to get through bridge. Losing mud on bottom. Lost app. 167 Bbls of mud for 1st hour after getting on bottom. Losses down to 50 Bbls/Hr. for short time, then back to 120 Bbls. / Hr. Mix LCM pill (40 BBls., 4 sx AES Bridge medium, 10 sx. sawdust, 8 sx. magmafiber, 5 sx. cedar fiber, 4 sx. hog hair, and 5 sx. cottonseed hulls.) and displace.
	22:45 - 03:00	4.25	DT	57		Pull pipe to 9000'. Observe well for gains or losses. Hole stayed full. No losses
	03:00 - 04:30	1.50	DT	57		Break circulation @ 9000'. TIH.
	04:30 - 06:00	1.50	DT	57		Wash last 200' to bottom. Break circulation. Losing mud at a rate of 120 Bbls/Hr. for first 45 minutes, no losses after that.
	06:00 - 07:30	1.50	DT	57		Cont. circulating, continually adding lcm to mud system When first back on btm. after making wiper trip, there were no losses for first 45 mins. then slowly started seeping away Lost 59 bbls. in 30 min. Spotted 40 bbl. hi vis lcm pill in annulus BGG 876 units
	07:30 - 12:00	4.50	DT	57		POH Flow ck. 10920' Hole taking 15 bph Pull up to 9911' Remove rotating head element Pump trip pill Cont. POH Flow ck. at 5465', 761' Hole taking 9 bph
	12:00 - 12:15	0.25	DT	57		Safety meeting Tripping out of hole
	12:15 - 15:00	2.75	DT	57		Layed down drlg. jars, 2 TBR's, monel dc & mud motor Function blind rams c / o 5 sec's
3/16/2009						



EL PASO PRODUCTION

Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
 Common Well Name: BOURNAKIS 3-18B4
 Event Name: DRILLING
 Contractor Name: WD MARTIN
 Rig Name: WD MARTIN

Start: 1/7/2009
 Rig Release:
 Rig Number:
 Spud Date: 1/8/2009
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/16/2009	15:00 - 18:00	3.00	DT	57		Rig up and run 26 jts. 2 7/8" fibre glass tubing (759.72')
	18:00 - 20:30	2.50	DT	57		TIH to shoe
	20:30 - 21:00	0.50	DT	57		Cut and slip drilling line.
	21:00 - 21:15	0.25	DT	57		Lubricate rig. Function upper/lower pipe rams. 8 seconds/annular 18 seconds
	21:15 - 00:00	2.75	DT	57		TIH
	00:00 - 00:15	0.25	DT	57		Safety Meeting on cementing.
	00:15 - 01:00	0.75	DT	57		TIH to 10,889'
	01:00 - 03:45	2.75	DT	57		Break circulation to be sure that pipe was open. Wait on Schlumberger. RU Schlumberger. PJSM. Pressure test lines to 3000#.
	03:45 - 04:45	1.00	DT	57		Spot balanced plug. Pumped 25 Bbls. of Mudpush II, 69 Bbls (168 sx.) of 12.5# cement. 8 Bbls. of Mudpush II, and displaced with 157.5 Bbls. of 10.2# / gallon clean mud (No LCM). Bled off drill pipe. Flowed back approximately 6 Bbls.
	04:45 - 06:00	1.25	DT	57		TOH with drill pipe.
3/17/2009	06:00 - 08:30	2.50	DT	57		Circ. btms. up Insure dp & annulus is free of any cmt. contamination No sign of cmt. to surface Lost 54 bbls. drlg. mud while circ.
	08:30 - 08:45	0.25	DT	57		Rig Ser. Function annular preventor c / o 15 sec's
	08:45 - 12:00	3.25	DT	57		Remove rotating head element POH w/ cmt. string Flow ck'd at 9288', 5813', 759' Well started taking 9 bph, decreasing to 4 bph at last flow ck. at 759'
	12:00 - 12:15	0.25	DT	57		Safety meeting Review JSA #1234 Tripping in & out
	12:15 - 15:30	3.25	DT	57		Lay down 26 jts. 2 7/8" fiber glass tubing Function blind rams c / o 5 sec's
	15:30 - 18:45	3.25	DT	57		Make up RR #5 RIH with drlg. assembly
	18:45 - 19:45	1.00	DT	57		Break circulation and circulate bottoms up.
	19:45 - 01:30	5.75	DT	57		TIH. Took wt. @ 9345. Wash through. Took no wt. washing. Cement stringers from 9800'-10,528'. Drilling cement from 10,528'-10,885'. (357' * .0744 Bbls/ft = 26.56 Bbls of cement in open hole) Wash from 10,885' - 11,000' No losses.
	01:30 - 01:45	0.25	DT			Lubricate rig. Function upper and lower pipe rams. 8 seconds / annular 18 seconds
	01:45 - 03:00	1.25	D	57		Circulate and condition mud.
3/18/2009	03:00 - 06:00	3.00	D	57		Short trip to 9000'. Flow checks @ 11,000' and 9000'.
	06:00 - 10:30	4.50	D	08		Circ. cond. mud & hole Well static
	10:30 - 12:00	1.50	D	04		Pull rotating head rubber Pump trip pill POH laying down dp Flow ck. 10986' Well static
	12:00 - 12:15	0.25	D	18		Safety meeting JSA#34 Laying down dp
	12:15 - 02:30	14.25	D	04		Cont. laying down dp and BHA f/ 10470' - 0 Flow ck. 7000', 4500', 654'
	02:30 - 06:00	3.50	D	11		Pull wear bushing. Rig up Halliburton Logging. PJSM with Halliburton and rig crew. TIH with Logs.
	06:00 - 11:30	5.50	D	11		Cont. running log # 1 with Halliburton Loggers TD@ 11006' Ran GR - DSN - SDL - ACRT - IDT - WSTT Well static
	11:30 - 12:00	0.50	D	12		Rig in Kimzey Casg. Ser. Hold safety meeting
	12:00 - 12:15	0.25	D	18		Safety meeting Review JSA# 13 Running casg.
	12:15 - 14:00	1.75	D	12		Cont. rigging in power tongs, stabbing brd. etc.
3/19/2009	14:00 - 22:00	8.00	D	12		Run 7" intermediate casg. Hole displacing normally.
	22:00 - 22:45	0.75	D	08		Break circulation at casing shoe.
	22:45 - 02:15	3.50	D	12		Run 7" intermediate casg. Hole displacing normally.
	02:15 - 02:45	0.50	D	08		Break circulation @ 8200'. Broke circulation with 55 SPM. Full returns for first 15 minutes. Flow started dropping of to "0".
	02:45 - 06:00	3.25	D	12		Run 7" intermediate casing. Hole not displacing from 8200'- 9300'. Partial



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/19/2009	02:45 - 06:00	3.25	D	12		displacement from 9300'. Displacement getting progressively better as we run more pipe.
3/20/2009	06:00 - 10:00	4.00	D	12		Ran 248 jts. 7" HCP-110 LT&C casg. Lenght with float equip., casg. hanger & landing jt. 10996.27' Washed last 3 jts. to btm. Had 8' fill on btm. Cont. circ. while rigging out Kimzey casg. running equip.
	10:00 - 11:15	1.25	D	12		Lay down 2 jts. casg. that were used to wash to and tag btm. Make up casg. hanger and landing jt.
	11:15 - 12:00	0.75	D	08		Circ. casg. Build volume & add lcm to mud system
	12:00 - 12:15	0.25	D	18		Safety meeting Cmt'g casg.
	12:15 - 12:30	0.25	D	12		Rig out fill up tool Install cmt'g head
	12:30 - 13:30	1.00	D	08		Circ. casg.
	13:30 - 13:45	0.25	D	06		Rig Ser.
	13:45 - 19:00	5.25	D	08		Cont. circ. building vol. & add lcm to mud system Have lost 649 bbls. drig. mud while running, washing to btm. & circulating casg. Losses gradually decreasing to very minor
	19:00 - 19:30	0.50	D	14		Safety meeting with Schlumberger
	19:30 - 23:00	3.50	D			Cement with 20 Bbls. of 11.0#/Gallon MUDPUSH II, Lead 186.4 Bbls. (352 sx.) of 11.5#/Gallon "G" highlift cement (yield 2.98ft ^3/sk-water = 18.2 Gallons/sk.) Good returns. Cemnet 2#/Bbl. throughout. Tail 76 Bbls (186 sx.) of Poz "G" Tail (yield 2.3 ft ^3/sk. Mix water = 12.51 Gal./sk.) Cemnet 2#/gallon throughout. Checked density w/ mudbalance 12.5 ppg. Good returns. Dropped the plug on the fly. Pumped 20 Bbls. of water and 386.5 bbls. of mud for displacement. Bumped plug @ 406.5 bbls. w/ 1575 psi. Good returns throughout job. Held pressure on plug for 10 minutes. Float held. Released pressure. Flowed back 1 bbl. Annulus stayed full. Reciprocated pipe 15'-20' all but last 20 Bbls. of displacement. Hole became sticky. Landed casing.
	23:00 - 03:30	4.50	D			Lay down landing joint. Install packoff assembly. Pressure test head.
	03:30 - 06:00	2.50	D			Change pipe rams. RU Weatherford for pressure test. P. test choke manifold valves 300/10,000 psi
3/21/2009	06:00 - 12:00	6.00	D	09		press. test casg. to 300 psi low & 2500 psi high 30 min. duration on high test Install test plug Press. test upper & lower pipe rams, both inner and outer choke & kill line valves, choke line & all choke manifold valves Annular preventor to 300 psi low and 3800 psi high Press. tested upper & lower kelly cocks, stabbing valve & inside bop Mud line and mud manifold valves to 300 psi low & 5000 psi high All rams to 300 psi low & 10000 psi high 10 min. duration Acc. ck. Do 4 function test with accumulator shut off Final acc. press. 1480 psi Recharge to 3000 psi in 2 min. 30 sec's
	12:00 - 12:15	0.25	D	18		Safety meeting Review JSA #7-9 Picking up BHA & dp
	12:15 - 13:00	0.75	D	09		Finish testing Bop
	13:00 - 13:15	0.25	D	06		Rig Ser. Function annular preventor c / o 16 sec's
	13:15 - 13:45	0.50	D	06		Change grabber dies & stabbing guide
	13:45 - 16:45	3.00	D	04		Make up 6 1/8" Ulterra MT1355CDS pdc bit & 4 3/4" National mud motor 7/8 lobe 3.7 stage .35 revs/ gal Install SMT survey tool
	16:45 - 17:45	1.00	D	04		RIH to 845' Function survey tool OK Cont. running in hole picking up 3 1/2" dp
	17:45 - 21:15	3.50	D	04		TIH from 845'-5515'. Fill pipe
	21:15 - 22:00	0.75	D	05		Deviation survey. check tools.
	22:00 - 00:00	2.00	D	04		TIH to 8534'
	00:00 - 00:15	0.25	D	18		Safety Meeting. Picking up drill pipe.
	00:15 - 01:45	1.50	D	04		TIH with 3 1/2" drill pipe from 8534' to 10921. Tagged cement at 10921'.
	01:45 - 03:00	1.25	D	18		Drilling cement, Float collar, and shoe.



EL PASO PRODUCTION

Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
 Common Well Name: BOURNAKIS 3-18B4
 Event Name: DRILLING
 Contractor Name: WD MARTIN
 Rig Name: WD MARTIN

Start: 1/7/2009
 Rig Release:
 Rig Number:
 Spud Date: 1/8/2009
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2009	03:00 - 03:45	0.75	D	03		Drilling from 11006'-11014'
	03:45 - 04:00	0.25	D	18		Install rotating head rubber.
	04:00 - 04:45	0.75	D	08		Circulate bottoms up for F.I.T. 10.1 Mud Wt. 1500# added pressure. .66 pressure gradient.
3/22/2009	04:45 - 05:30	0.75	D	18		Perform F.I.T.
	05:30 - 06:00	0.50	D			Drilling from 11014' to 11025'
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole from 11,022' to 11,084'. MW 10.1 ppg Background gas 60u with 220u max. 165 gpm until stabelizers out of casing, then increase to 180 gpm. 11k to 15k WOB. 35 rpm.
	12:00 - 12:15	0.25	D	18		Safety meeting (loading tubulars on trucks).
	12:15 - 13:00	0.75	D	03		Drill 6 1/8" hole from 11,084' to 11,091'. MW 10.1 ppg Background gas 60u with 75u max. 180 gpm. 11k to 15k WOB. 35 rpm.
	13:00 - 13:15	0.25	D	06		Lubricate rig. Annular 16 sec to close. UPR and LPR 5 sec to close.
	13:15 - 18:00	4.75	D	03		Drill 6 1/8" hole from 11,091' to 11,138'. MW 10.1 ppg Background gas 60u with 75u max. 180 gpm. 11k to 15k WOB. 35 rpm.
	18:00 - 22:00	4.00	D	03		Drill 6 1/8" hole from 11,138' - 11,187'. Lost app 30 bbls of mud from 11,164' - 11,181'.
	22:00 - 23:00	1.00	D	05		Deviation survey. 4X mis-runs. Tool is pulsing down hole. Possible problems with surface equipment.
	23:00 - 00:00	1.00	D	03		Drill 6 1/8" hole from 11,187' - 11,197'. Full returns. BGG 65 Units.
3/23/2009	00:00 - 00:15	0.25	D	18		Safety meeting on operating man lift / rental equipment
	00:15 - 00:30	0.25	D	06		Lubricate rig. Function upper/lower pipe rams.
	00:30 - 05:45	5.25	D	03		Drill 6 1/8" hole from 11,197' -
	05:45 - 06:00	0.25	D	18		Accumulated connection time.
	06:00 - 07:15	1.25	D	05		Attempt to get directional survey from MWD. Tool note decoding properly due to low pulse.
	07:15 - 12:00	4.75	D	03		Drill 6 1/8" hole 11,281' to 11,318'. Peak show from drilling break @ 11,271' was 5500u. Back ground leveled off at 750u, increased mud weight from 10.1 to 10.3. Back ground fell to 200u. WOB 17k, rpm 35, 180 gpm.
	12:00 - 12:15	0.25	D	18		Safety Meeting(90' mouse hole) review JSA
	12:15 - 16:30	4.25	D	03		Drill 6 1/8" hole 11,318' to 11,374'. Back ground 250u, mud weight from 10.3. WOB 14k to 17k, rpm 35, 180 gpm. Peak after drilling break at 11,332' peaked at 2750u and stabelized at 1500u+. Start to increase MW to 10.5 ppg. Lost 50 bbl of mud at 11,346'. 10 bbl caco3 sweep and 1 gal of polyswell cured the losses.
	16:30 - 16:45	0.25	D	06		Lubricate rig. Annular 16 sec to close. UPR and LPR 6 sec to close.
	16:45 - 17:30	0.75	D	03		Drilling 6 1/8" hole from 11,374' - 11,388'
3/24/2009	17:30 - 17:45	0.25	D	18		Accumulated connection time.
	17:45 - 18:00	0.25	D	05		Deviation survey
	18:00 - 00:00	6.00	D	03		Drilling 6 1/8" hole from 11,388' - 11,445'. Lost approximately 35 Bbls from 11,393' - 11,404'. Connection gas @ 11,347'- 5500 Units. BGG 2575 Units with a 10.5 Mud wt. Slowly raise mud wt.
	00:00 - 02:45	2.75	D			Drilling 6 1/8" hole from 11,445' - 14464'. Penetration slowed from 10'/hr. to 2'/Hr.
	02:45 - 03:15	0.50	D			Circulate bottoms up. BGG 180 Units.
	03:15 - 06:00	2.75	D			Flow check. Pull 5 stands. Pump trip pill.TFB #8.
	06:00 - 06:45	0.75	D	04		Trip out of hole from 7,100' to 6,698'.
	06:45 - 07:15	0.50	D	04		Flow check, pump dry job.
	07:15 - 09:30	2.25	D	04		Trip out of hole from 6,698' to 1,980'.
	09:30 - 10:15	0.75	D	18		Repair hydraulic hose on Top Drive.
3/24/2009	10:15 - 12:00	1.75	D	04		Trip out of hole from 1,980' to top of BHA at 908'.
	12:00 - 12:15	0.25	D	18		Safety meeting (Trip in and out) Review JSA.



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/24/2009	12:15 - 12:30	0.25	D	04		Change bit, clear floor, close blind rams 6 sec. cal fill 86.25 bbl. actual fill 80.64 bbl.
	12:30 - 13:00	0.50	D	05		Change out MWD.
	13:00 - 14:30	1.50	D	04		Trip in hole w/ BHA and one stand DP. @ 1107'. Test MWD mud pulse tool.
	14:30 - 14:45	0.25	D	06		Service rig, function annular, 16 sec to close. function UPR and LPR, 6 sec to close.
	14:45 - 18:30	3.75	D	04		Trip in hole from 1107' to 10887'. F.C.F.P. @ 6707', 10887'.
	18:30 - 18:45	0.25	D	04		Install rotating rubber
	18:45 - 19:30	0.75	D	06		Slip & Cut, fill hole.
	19:30 - 20:30	1.00	D	05		Survey @ 11343', 1.6 Inc 213.6 Azm. Acc. connection time
	20:30 - 21:15	0.75	D	04		RIH, Wash last 2 stands to bottom.
	21:15 - 00:00	2.75	D	03		Drill fr. 11464'-11488'. 24 ft. 8.7 ft/hr. Break in PDC with light weight.
3/25/2009	00:00 - 00:15	0.25	D	18		Safety meeting on slip & cut.
	00:15 - 06:00	5.75	D	03		Drill f/ 11488'-11561'. 73 ft. 12.69 ft/hr. Back ground gas 1250 units down to 120 units
	06:00 - 06:15	0.25	D	18		Accumulated connection time
	06:15 - 12:00	5.75	D	03		Drill 6 1/8" hole from 11,561 to 11,633' 180 gpm, 25 rpm, 14 to 15 wob vis 46 mw 10.7ppg. BG 220 to 65u.
	12:00 - 12:15	0.25	D	18		Safety Meeting (working on monkey board) Review JSA
	12:15 - 14:15	2.00	D	03		Drill 6 1/8" hole from 11,633' to 11,657'. 180 gpm, 25 rpm, 14 to 15 wob vis 46 mw 10.7ppg. BG 200 to 350.
	14:15 - 14:30	0.25	D	06		Lubricate rig. Function annular, 15 sec to close. Function UPR and LPR 6 sec to close.
	14:30 - 17:30	3.00	D	03		Drill 6 1/8" hole from 11,657 to 11,703'. 46 ft, 15.33 ft/hr. 210 gpm, 25 rpm, 14 to 15 wob vis 46/42 mw 10.7ppg. BG 200 to 6908 units.
	17:30 - 17:45	0.25	D	05		Acc connection time
	17:45 - 18:15	0.50	D	05		Survey @ 11680'. 1.6 Inc 222.7 Azm.
	18:15 - 00:00	5.75	D	03		Drill 6 1/8" hole f/ 11703'-11809'. 106 ft. 18.43 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 44 mw. 10.6 ppg. 1259 units back ground gas. Running 10 gpgm make up water.
	00:00 - 00:15	0.25	D	18		Safety meeting on house keeping
	00:15 - 02:15	2.00	D	03		Drill 6 1/8" hole f/ 11809'-11847'. 38 ft. 19 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 43 mw. 10.8 ppg. 1065 units back ground gas. Running 10 gpg make up water.
	02:15 - 02:30	0.25	D	06		Rig service function upper & lower pipe rams. 8 sec. annular 18 sec,
	02:30 - 02:45	0.25	D	05		Acc connection time
3/26/2009	02:45 - 06:00	3.25	D	03		Drill 6 1/8" hole f/ 11847'-11908'. 61 ft. 18.76 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.8 ppg. 1065 units back ground gas. Running 10 gpg make up water. Connection gas 4460 units. No burnable gas
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole f/ 11908' to 12045'. 137 ft. 22.2 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.8 ppg increased to 10.9 ppg. 1343 units back ground gas. Running 10 gpg make up water. Connection gas 3128 units. No burnable gas
	12:00 - 12:15	0.25	D	18		Safety meeting (Cleaning out belly pan) review JSA
	12:15 - 15:00	2.75	D	03		Drill 6 1/8" hole f/ 12045' to 12133'. 88 ft. 29.3 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg 1025 units back ground gas. Running 10 gpg make up water. Connection gas 4327 units. No burnable gas. Loosing about 10 bbl per hour.
	15:00 - 15:15	0.25	D	06		Lubricate rig Function annular 16 sec to close, function UPR and LPR 5 sec to close
	15:15 - 17:45	2.50	D	03		Drill 6 1/8" hole f/ 12133' to 12191'. 58 ft. 23.2 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg 1000 units back ground gas. Running 10



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/26/2009	15:15 - 17:45	2.50	D	03		ggp make up water. Connection gas 2666 units. No burnable gas. Loosing about 10 bbl per hour.
	17:45 - 18:00	0.25	D	05		Acc connection time.
	18:00 - 19:30	1.50	D	03		Drill 6 1/8" hole f/ 12191' to 12227'. 36 ft. 24 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg.
	19:30 - 19:45	0.25	DT	55		Flow check @ 12227 ft. Shut in well, hard shut in
	19:45 - 02:30	6.75	DT	55		Well flowing, reach MACP, Start pump with # 2 @ 3/4 RSPP. 46 stks. Keeping up with gas kick. Slow pump to RSPP 34 stks. Not keepin up with kick. Increase RSPP to 44 stk. Holding 1440 psi on DP. Pump #2 straving switch to pump #1. Pump are straveing do parifin wax from well bore, Switch back to # 2 pump. Full circ around Stop pump, shut in well. Csg press 370 psi to 537 psi in 1 hr 26 mins. Pipe press 121 psi to 400 psi in 1 hr 16 mins, dropped to 288 psi & increased to 310 psi 10 mins.
3/27/2009	02:30 - 06:00	3.50	DT			Prepare & start #2 pump holding 1550 psi on DP. Raise mud density to 12.1 ppg. mixing sk barite through hopper & LCM. Stop pump. Flow check.
	06:00 - 10:15	4.25	D	03		Drill 6 1/8" hole f/ 12227' to 12323'. 96 ft. 22.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.1 ppg and raised to 12.3 ppg due to increased gas. 1500 units back ground gas. Connection gas 2533 units. No burnable gas after first round circulation. No losses.
	10:15 - 10:30	0.25	D	06		Lubricate rig Function annular 23 sec to close, function UPR and LPR 6 sec to close
	10:30 - 12:00	1.50	D	03		Drill 6 1/8" hole f/ 12323' to 12360'. 37' ft. 24.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 1500 units back ground gas. Connection gas 2288 units. No burnable gas. No losses.
	12:00 - 12:15	0.25	D	18		Safety Meeting (Mixing chemicals)
	12:15 - 14:30	2.25	D	03		Drill 6 1/8" hole f/ 12360' to 12418'. 58' ft. 25.8 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 1500 units back ground gas down to 500 when 12.3 around. No burnable gas. Lost partial returns.
	14:30 - 15:30	1.00	DT	57		Mix 2 sweeps and pump them to cure partial returns.
	15:30 - 18:00	2.50	D	03		Drill 6 1/8" hole f/ 12418' to 12468'. 50ft. 20 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 929 units back ground gas. Connection gas 1921 units. No burnable gas.
	18:00 - 18:15	0.25	D	06		Rig service. Function upper pipe rams 6 sec.
	18:15 - 00:00	5.75	D	03		Drill 6 1/8" hole f/ 12468' to 12602'. 134 ft. 23.3 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 627 units back ground gas. Connection gas 1291 units. No burnable gas. Running 3 gals/min add water to mud system. Pumping calcarb sweeps every 90 ft.
	00:00 - 00:15	0.25	D	18		Safety meeting Using BOP tags, Rev JSA # 40
	00:15 - 04:00	3.75	D	03		Drill 6 1/8" hole f/ 12602' to 12700'. 98 ft. 26.13 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 530 units back ground gas. Connection gas 1060 units. No burnable gas.
	04:00 - 04:15	0.25	D	06		Rig service. Annular 16 sec. upper & lower rams 6 sec.
	04:15 - 06:00	1.75	D	03		Drill 6 1/8" hole f/ 12700' to 12737'. 37 ft. 212.14 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 530 units back ground gas. No burnable gas.
3/28/2009	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole f/ 12755' to 12891'. 136 ft. 22.7 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.4 ppg. 500 units back ground gas. Connection gas 1181 units. No burnable gas. 2 to 3 gal per hour fresh water
	12:00 - 12:15	0.25	D	18		Safety Meeting (skate use)
	12:15 - 12:30	0.25	D	06		Rig service. Annular 16 sec. upper & lower rams 6 sec.
	12:30 - 17:30	5.00	D	03		Drill 6 1/8" hole f/ 12891' to 12999. 108 ft. 21.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.4 ppg. 551 units back ground gas. Connection gas 3905 units. No burnable gas. 2 to 3 gal per hour fresh water



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/28/2009	17:30 - 18:00	0.50	D	05		Accu connection time
	18:00 - 19:30	1.50	D	03		Drill 6 1/8" hole f/ 12999' 13014' 15 ft 10 ft/hr.
	19:30 - 20:15	0.75	DT	67		Clean out LCM under pump valves
	20:15 - 23:45	3.50	D	03		Drill 6 1/8" hole f/ 13014' to 13091'. 77 ft. 22 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 12.5 ppg. 645 units back ground gas. No burnable gas. 2 to 3 gal per hour fresh water
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. Confined space entry & rescue in tanks, JSA # 24
	00:15 - 04:15	4.00	D	03		Drill 6 1/8" hole f/ 13091' to 13175'. 84 ft. 21 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 497 units back ground gas. No burnable gas. 2 to 3 gal per hour fresh water
	04:15 - 04:30	0.25	D	06		Rig service Function annular 15 sec. upper lower pipe rams. 5 sec.
	04:30 - 06:00	1.50	D	03		Drill 6 1/8" hole f/ 13175' to 13206'. 31 ft. 20.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 497 units back ground gas. Connection gas 1606 units. No burnable gas. 2 to 3 gal per hour fresh water
						Drill 6 1/8" hole f/ 13209' to 13319'. 110 ft. 20.0 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 41 mw. 12.5 ppg. 424 units back ground gas. Connection gas 1725 units. No burnable gas. 2 to 3 gal per hour fresh water
3/29/2009	06:00 - 11:30	5.50	D	03		Accumulated connection time
	11:30 - 12:00	0.50	D	18		Safety Meeting (loader operation)
	12:00 - 12:15	0.25	D	18		Drill 6 1/8" hole f/ 13319' to 13420'. 101 ft. 22.4 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 41 mw. 12.5 ppg. 552 units back ground gas. Connection gas 1763 units. No burnable gas. 2 to 3 gal per hour fresh water
	12:15 - 16:30	4.25	D	03		Circulate and condition hole. 2 bottoms up and pump slug. Increase vis for short trip and logging. Flow check.
	16:30 - 19:00	2.50	D	08		Wiper trip to csg shoe. Tight spot @ 11945'-11936' pulled 42,000 over. Flow check. RIH. Circ gas 4724 unit. Back ground down to 460 units. Wash to bottom. 3 ft fill.
	19:00 - 22:30	3.50	D	04		Circ & condition hole. Work pipe.
	22:30 - 22:45	0.25	D	07		Safety meeting. Tripping JSA # 1 & 2.
	22:45 - 00:00	1.25	D	08		Circ & condition hole. Work pipe.
	00:00 - 00:15	0.25	D	18		Rig service. Function annular 16 sec. Upper & lower pipe rams 6 sec.
	00:15 - 01:30	1.25	D	08		POOH f/ 13420'- FC @ 13420', 12975'
3/30/2009	01:30 - 01:45	0.25	D	06		Pull RBOP
	01:45 - 02:15	0.50	D	04		POOH. F/ 12975' - 6800'
	02:15 - 02:45	0.50	D	18		Continue trip ooh to log. Lay down 6 DC's and Jars.
	02:45 - 06:00	3.25	D	04		Lay down MWD and Motor. Grade bit. No degadinging marks except some dulling of cutters. Strap 13410.03' Hole fill Cal 93.3 bbl actual 96.2 diff 2.7 bbl.
	06:00 - 10:00	4.00	D	04		Safety meeting w/ Halliburton loggers.
	10:00 - 11:30	1.50	D	04		Rig up Halliburton and RIH. Triple combo and wave sonic and dir survey. RIH TO 11200', HUNG UP, WORK TO 11600'. STILL DRAGING AND STICKY. Pull up to 6000' over to move tool. Pooh inspect tools.
	11:30 - 11:45	0.25	D	18		Centralizers look like part of the problem.
	11:45 - 16:00	4.25	D	11		Lay down and reline tools to run standard triple combo. No sonic. RIH. Tag bridge @ 11440'. Work tools to 11450'. Pull double wire line weight pulling up, out of tight spot POOH & rig out Loggers.
	16:00 - 18:30	2.50	DT	67		Fix Clamp on Top Drive.
	18:30 - 20:00	1.50	DT	67		Make up BHA, Bit, Bit sub, one DC, TBR, one DC, TBR, six DC, Jars, four 4 DC. six HWDP. RIH w/ DP.
	20:00 - 20:30	0.50	D	06		Safety meeting. Tripping, JAS # 1&2.
	20:30 - 00:00	3.50	DT	56		
	00:00 - 00:15	0.25	DT	56		



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/30/2009	00:15 - 02:45	2.50	DT	56		RIH to 6700'. Fill pipe. RIH to 10941'.
	02:45 - 03:00	0.25	DT	56		Install RBOP
	03:00 - 06:00	3.00	DT	56		Kelly up circ, tag bridges @ 11446, 11521, 11556, 11727, 11878, 11947, 11974. Taking weight from 4000 lbs to 15,000 lbs. Possible pushing something
3/31/2009	06:00 - 07:45	1.75	D	04		Cont. RIH f/ 12306' - 13420' Wash last 2 std's to btm. No noticeable fill on btm.
	07:45 - 09:30	1.75	D	08		Circ. cond. mud and hole Had 3212 units gas on btms. up Back grd. 749 units No sign of any sloughing shale / etc. comming over shakers
	09:30 - 12:00	2.50	D	04		Make wiper trip up to csg shoe @ 10998' Slight tight spot at 13089'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping
	12:15 - 12:30	0.25	D	06		Rig Ser. Function annular preventor c / o 23 sec's
	12:30 - 14:30	2.00	D	04		Cont. RIH Wash last 2 std's to btm. No noticeable fill on btm. Had 3422 units gas on btms. up
	14:30 - 17:00	2.50	D	08		Circ. btms. up 2X Mud Wt. 12.6 ppg Vis. 47 No mud losses while circulating
	17:00 - 00:00	7.00	D	04		POH to log. Drop drift w/ 120 ft survey line tied to drift. Flow check 6700'
	00:00 - 00:15	0.25	D	18		Safety meeting. Tripping out
	00:15 - 01:45	1.50	D	04		POOH to log. Flow check @ 840'. On bank function blind rams. 6 sec.
4/1/2009	01:45 - 02:00	0.25	D	06		Rig service. Function upper & lower pipe rams. 4 sec. Hole fill measured 130 bblsCalculated 89.91 bbls, diff 41 bbls. Pipe pulling wet. Bit & drift full of wax.
	02:00 - 06:00	4.00	D	11		Rig in loggers, RIH & tag bottom. Loggers depht 13430ft. Log.
	06:00 - 07:30	1.50	D	11		Finish running log #1 Triple Combo 13430' - 10988'
	07:30 - 12:00	4.50	D	11		Run log #2 Wave Sonic 13330' - 10988' No major hole problems running logs
	12:00 - 12:15	0.25	D	18		Safety meeting JSA#13 Running casg.
	12:15 - 14:00	1.75	D	11		Finish running log # 2
	14:00 - 14:15	0.25	D	06		Rig ser. Function upper pipe rams c / o 4 sec's
	14:15 - 14:45	0.50	D	12		Rig in Franks Westates power tongs Hold safety meeting w/ Halliburton tool hands & tong Co.
	14:45 - 20:00	5.25	D	12		Run 66jts, 4 1/2" 15.1 ppg P-110 LT&C liner.
	20:00 - 21:00	1.00	D	12		Install csg hanger. Trouble with installing hanger do to casing egged, which is not allowing plug release to go inside casing. Replace jt csg with jt # 74.
4/2/2009	21:00 - 00:00	3.00	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 2237'-5307'
	00:00 - 00:15	0.25	D	18		Safety meeting Tripping in with casing hanger. JSA 1&2
	00:15 - 03:30	3.25	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 5307'- 10892'
	03:30 - 05:00	1.50	D	08		Break circ @ 10871', circ bottoms up @ 176 gpm. 1255 psi. Back ground gas 621 units. Trip gas 3107 units. no burnable gas.
	05:00 - 06:00	1.00	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 10892'-12104'
	06:00 - 12:00	6.00	D	12		Wash liner to btm. from 12900' - 13420' Lost 188 bbls. drlg. mud to form. while washing to btm. Had 4409 units gas on btms. up Ran 66 jts. 4 1/2" 15.1# P-110 LT&C liner Lenght with float equip. & hanger / packer @2632.72'
	12:00 - 12:15	0.25	D	18		Safety meeting w/ Halliburton and Schlumberger
	12:15 - 12:45	0.50	D	12		Lay down 1 jt. dp used to tag btm. Make up 10' pup jt. & cmt. head
	12:45 - 13:45	1.00	D	08		Cont. circ
	13:45 - 19:15	5.50	D	14		Cement 4 1/2" liner w/ 20 Bbls of MUDPUSH II, 65 Bbls (235 sks) of 50/50 Poz 14.1# / gal. cement,Washed up, Pumped 5 bbls. of retarded



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: WD MARTIN
Rig Name: WD MARTIN

Start: 1/7/2009
Rig Release:
Rig Number:
Spud Date: 1/8/2009
End:
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/2/2009	13:45 - 19:15	5.50	D	14		fluid, 33 Bbls. of 2% KcL, 5 Bbls. retarded fluid, 73 Bbls. of drilling mud at 4 Bbls/min. Slowed to 2 Bbls / minute 5 bbls before liner hanger and 5 Bbls after) 10 Bbls of mud at 1.5 Bbls/min. Bumped plug at 14:34 hrs. Pressure prior to bumping 2300 psi. Pressured to 2950#. Held pressure for 5 minutes. Float held. Pressure up to 3800# rupture disc in liner hanger. Drop ball and circulate with Schlumberger. Ball seated @ 65 bbls 5100 psi. Set hanger. Released from hanger. Picked up 10' above liner. Pumped a total of 645 bbls bottoms up, working pipe the entire time. Circulated 20 Bbls of cement to surface. 3947 units gas prior to circulating, finished with 77 units. Positive test w/ Schlumberger: 1500# for 10 Minutes. Held. Displaced hole with 2% KcL. 406 bbls.
	19:15 - 19:30	0.25	D	14		Flow check. Well static.
	19:30 - 20:45	1.25	D	14		Rig out cementers
	20:45 - 21:00	0.25	D	18		Safety meeting, Laying down pipe. JSA # 34
	21:00 - 00:00	3.00	D	04		POOH Laying down pipe. Flow check @ 10019'.
4/3/2009	00:00 - 00:15	0.25	D	18		Safety meeting. laying down DP. JSA # 34
	00:15 -		D	04		POOH 800'. Laying down pipe. Flow check @ 5000'.
	06:00 - 06:15	0.25	D	18		Safety meeting JSA#34 Laying down dp
	06:15 - 10:30	4.25	D	04		RIH w/ dc's, Hwdp & 21 std's dp from derrick & lay down same
	10:30 - 11:45	1.25	D	06		Slip & cut drill line
4/4/2009	11:45 - 12:15	0.50	D	09		Rig in Cased Hole Solutions Hold safety meeting
	12:15 - 16:45	4.50	D	09		Run #1 Ran 6" gauge ring / junk basket to liner top @10807'
						Run #2 Ran 3.625" gauge ring / junk basket Tagged 4 1/2" float collar at 13387'
						Run #3 Run wireline set, tubing retrievable Weatherford bridge plug Set at 85' Below RT
	16:45 - 17:30	0.75	D	09		Press. test bridge plug to 1500 psi 10 min.
4/4/2009	17:30 - 00:00	6.50	D	15		Change out 3 1/2" rams to 5" rams. Nipple down BOPS.
	00:00 - 00:15	0.25	D	18		Safety meeting. Nipple down BOPS. JSA # 16.
	00:15 - 06:00	5.75	D	09		Nipple down BOPS. (Double gate rams fell through matting, reinforce matting with 3" X 12" planks.) Strip LCM out of mud.
	06:00 - 08:00	2.00	D	01		Remove C section & upper pack off
	08:00 - 12:00	4.00	D	09		Install 13 5/8 5k x 7 1/16 10k tubing spool Press. test PE seal to 5000 psi 10 min. Install 7 1/16 10k Bop Run in and pull retrievable bridge plug Install test plug in tubing hanger Test plug to short Lock down screws going in above test plug
4/4/2009	12:00 - 14:00	2.00	DT	53		Wait on Proper test plug
	14:00 - 16:30	2.50	D	10		Install test plug Press. test blind rams to 10000 psi 10 min. Remove test plug & secure well
	16:30 - 00:00	7.50	D	01		Tear out top drive. Lay down torque bushing, rig down service loop.
	00:00 - 00:15	0.25	D	18		Safety meeting. Rigging out top drive.
	00:15 - 06:00	5.75	D	01		Rig out torque tub. Lay down swivel, rig up dynapex, rig out floor & prepare tarps for rig out.
4/5/2009	06:00 - 12:00	6.00	D	01		Rig out floor and prepare tarps for rig out Spool winches, drop catch pan, lay out v door, stairs & lay over racking floor
	12:00 - 12:15	0.25	D	18		Safety meeting Suspended loads
	12:15 - 23:00	10.75	D	01		Lay over racking floor, spool up hydraulic hoses Inspect derrick and lay over Derrick down @1530 hrs. Pull power cords Take down prefab frame work Cont. with general tear out 70 ton crane arrived on loc. 1100 hrs. Held safety meeting with crane and rig crew
	23:00 - 00:00	1.00	D	01		Rig released 23:59 04/04/2009
	00:00 - 06:00	6.00	D	01		Wait for day light

<div>STATE OF UTAH</div> <div>DEPARTMENT OF NATURAL RESOURCES</div> <div>DIVISION OF OIL, GAS, AND MINING</div>		<div>FORM 9</div> <div>5.LEASE DESIGNATION AND SERIAL NUMBER: FEE</div>	
<div>SUNDRY NOTICES AND REPORTS ON WELLS</div> <div>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</div>		<div>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</div> <div>7.UNIT or CA AGREEMENT NAME:</div>	
<div>1. TYPE OF WELL</div> <div>Oil Well</div>		<div>8. WELL NAME and NUMBER:</div> <div>BOURNAKIS 3-18B4</div>	
<div>2. NAME OF OPERATOR:</div> <div>EL PASO E&P COMPANY, LP</div>		<div>9. API NUMBER:</div> <div>43013340910000</div>	
<div>3. ADDRESS OF OPERATOR:</div> <div>1099 18th ST, STE 1900 , Denver, CO, 80202</div>		<div>PHONE NUMBER:</div> <div>303 291-6417 Ext</div>	
<div>4. LOCATION OF WELL</div> <div>FOOTAGES AT SURFACE:</div> <div>0976 FSL 1544 FEL</div> <div>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</div> <div>Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U</div>		<div>9. FIELD and POOL or WILDCAT:</div> <div>ALTAMONT</div> <div>COUNTY:</div> <div>DUCHESNE</div> <div>STATE:</div> <div>UTAH</div>	
<div>11.</div> <div>CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</div>			
<div>TYPE OF SUBMISSION</div> <div> <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: </div> <div> <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: </div> <div> <input type="checkbox"/> SPUD REPORT Date of Spud: </div> <div> <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/5/2009 </div>		<div>TYPE OF ACTION</div> <div> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </div>	
<div>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</div> <div> <div>ATTACHED PLEASE FIND ELPASO E&P'S DAILY DRILLING REPORT FOR SUBJECT WELL.</div> <div> <div>Accepted by the</div> <div>Utah Division of</div> <div>Oil, Gas and Mining</div> <div>FOR RECORD ONLY</div> <div>October 28, 2009</div> </div> </div>			
<div>NAME (PLEASE PRINT)</div> <div>Marie Okeefe</div>		<div>PHONE NUMBER</div> <div>303 291-6417</div>	
<div>SIGNATURE</div> <div>N/A</div>		<div>TITLE</div> <div>Sr Regulatory Analyst</div> <div>DATE</div> <div>10/27/2009</div>	



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009
End: 4/5/2009
Rig Release: 4/4/2009
Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/19/2009	06:00 - 07:00	1.00	D	01		Wait on day light
	07:00 - 07:30	0.50	D	18		Safety meeting w/ trucking, crane and rig crews
	07:30 - 19:00	11.50	D	01		Take down tarps and pre fab. Spiit derrick and load out. Lower substructure. Rig down SCR houses and load out. Remove draw works from floor and load out. Lower "A" legs on sustructure. Remove frogs from substructure. Remove bridle line. Load out sub halves. All loads off of location with the exception of 2 mud pits, #1 mud pump, Top drive power unit, gas buster, and clean up.
2/20/2009	19:00 - 06:00	11.00	D	18		Wait on daylight
	06:00 - 07:00	1.00	D	18		Wait on Daylight
	07:00 - 19:00	12.00	D	01		Set and level sub halves. Install frogs. Put draw works on floor. Install flooring around draw works. Install tarp rails and tarps around draw works. Set pump and kill manifold, Set both pumps and hook up. Set both steel pits and manifold together. Set water tank, SCR houses, Koomey shack, and BOS tank. Hook up electrical and fuel lines. Set in gas buster and hook up flow line to shakers..Line up derrick and pin together.
2/21/2009	19:00 - 06:00	11.00	D	18		Wait on daylight.
	06:00 - 19:00	13.00	D	01		Continue rigging up. Install pre fab and tarps. Attach lines to raising winches. Raise floor. Finish setting in rig.400 Bbl Tanks, Top Drive house. Install board on derrick. Install bridle lines from Sub to derrick. Start stringing up blocks.
2/22/2009	19:00 - 06:00	11.00	D	18		Wait on Daylight
	06:00 - 07:00	1.00	D	01		PJSM with crews, Crane, and Trucking. String up blocks, Spool drilling line and tie back to dead line anchor. Work on tarps. PJSM and Derrick inspection prior to raising. Raise derrick. Install racking platform. Spot manifold house. Hook up gas buster. Raise racking platform. Set in front end (catwalk, Top Drive power unit, Flow stack) Cut off 20" and 13 3/8" casing. Weld on Braden head (Top of head 16" below top of matting boards)
2/23/2009	07:00 - 06:00	23.00	D	01		Rig up steam and water lines. Finish with tarps.
	06:00 - 12:00	6.00	D	01		Finish steam and water lines. Lay out Dynaplex. Pick up swivel. Install splash pan.
	12:00 - 12:15	0.25	D	01		Safety meeting (Pick up Top drive)
	12:15 - 18:00	5.75	D	01		Pick up torque tube, hydraulic hoses, and saddle.
	18:00 - 00:00	6.00	D	01		Pick up torque bushing and hang top drive from swivel.
2/24/2009	00:00 - 00:15	0.25	D	18		Safety Meeting (Nipple up BOP's - review JSA #15)
	00:15 - 06:00	5.75	D	01		Finish rigging up top drive.
	06:00 - 08:00	2.00	D	15		Nipple up 13 5/8" 10K Class V Bop
	08:00 - 11:00	3.00	D	18		Prespud meeting held at Altamont gas plant
	11:00 - 12:00	1.00	D	15		Cont. nipple up Bop
	12:00 - 12:15	0.25	D	18		Safety meeting Nipple up Bop's
	12:15 - 21:30	9.25	D	15		Cont. nipling up Bop's
	21:30 - 23:45	2.25	D	15		High torque pump not working wait for new pump from Vernal. Continue nipling up choke line.
	23:45 - 03:45	4.00	D	15		Torque up BOP stack. Continue nipling up choke line.
	03:45 - 05:15	1.50	D	15		Change cross over from 4 1/2 FH to 4 1/2 XH on top drive, prepare & pick up test plug, RIH & set in csg bowl. Wrong cross over on test plug, unable to use cross over from wear bushing, Weatherford hot shoting cross over from Vernal.
2/25/2009	05:15 - 06:00	0.75	D	09		Press test choke manifold 250 psi low, 1000 psi high.
	06:00 - 12:00	6.00	D	09		Press test Pipe rams, Blind rams, choke manifold, inside BOP, stabling valve, kill lines, HCR & manual HCR to 300 psi low, 5000 psi high. Test annular to 3600 psi. Pres test csg to 1000 psi.

RECEIVED October 27, 2009



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/25/2009	12:00 - 12:15	0.25	D	18		Safety meeting (press testing)
	12:15 - 16:00	3.75	D	09		Finish press testing & function test accumulator
	16:00 - 16:45	0.75	D	06		Slip & cut drill line
	16:45 - 17:00	0.25	D	06		Rig service
	17:00 - 17:30	0.50	DT	60		Work on top drive
	17:30 - 19:00	1.50	DT	53		Attempt to instal wear bushing, leave out.
	19:00 - 20:00	1.00	D	04		Make up BHA.
	20:00 - 00:00	4.00	D	04		RIH w/ DC & HWDP.
	00:00 - 00:15	0.25	D	18		Safety meeting (RIH w/ BHA) review JSA # 9
	00:15 - 00:30	0.25	D	04		RIH picking up pipe.
	00:30 - 02:30	2.00	D	13		Drill out cement. Tag cement top @ 766 ft. Tag float collar @ 789 ft.
	02:30 - 02:45	0.25	D	03		Drill from 836'-850'.
	02:45 - 03:00	0.25	D	18		BOP drill 92 sec to shut well in.
	03:00 - 03:30	0.50	D	18		Formation leak off. leak off gradient .81psi/ft
	03:30 - 05:30	2.00	D	03		Drill f/ 850'-1011'
	05:30 - 06:00	0.50	D	05		Acc. connection time
2/26/2009	06:00 - 11:30	5.50	D	03		Drill 21 1/4" hole f/ 1011' - 1441'
	11:30 - 12:00	0.50	D	05		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety Meeting Mouse hole connections
	12:15 - 12:45	0.50	D	03		Drill f/ 1441' - 1486'
	12:45 - 13:00	0.25	D	05		Survey @1429'
	13:00 - 16:00	3.00	D	03		Drill f/ 1486' - 1683'
	16:00 - 16:15	0.25	D	06		Rig Ser. Function annular preventor c / o 23 sec's
	16:15 - 17:30	1.25	D	03		Drill f/ 1683' - 1773'
	17:30 - 18:00	0.50	D	05		Acc. connection time
	18:00 - 23:30	5.50	D	03		Drill f/ 1773' - 2133' 360ft 65 ft/hr
	23:30 - 23:45	0.25	D	05		Survey @ 1871' 0.7 Inc. 214.4 Azm
	23:45 - 00:00	0.25	D	05		Acc Connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (Pipe spinner use) JSA # 47
	00:15 - 02:15	2.00	D	03		Drill f/ 2133'-2249' 116 ft. 58 ft/hr
	02:15 - 02:30	0.25	D	06		Rig service
	02:30 - 05:30	3.00	D	03		Drill f/ 2249'-2415' 166 ft 55 ft/hr
2/27/2009	05:30 - 06:00	0.50	D	05		ACC Connection time
	06:00 - 06:45	0.75	DT	64		Acc. survey time (3 failed surveys)
	06:45 - 11:30	4.75	D	03		Drill 12 1/4" hole f/ 2415' - 2700'
	11:30 - 12:00	0.50	D	03		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Plan for working safe in 2009
	12:15 - 16:30	4.25	D	03		Drill f/ 2700' - 2947' 247 ft. 58 ft/hr
	16:30 - 16:45	0.25	D	05		Survey, misrun
	16:45 - 17:00	0.25	D	06		Rig service
	17:00 - 17:30	0.50	D	05		Acc connection time
	17:30 - 23:30	6.00	D	03		Drill f/ 2947'-3328' 381 ft. 63.5 ft/hr. Close in mud system, monitor loses 2hrs, 105 bbl loses, 53 bbls/hr. open up back to resreve pit.
	23:30 - 00:00	0.50	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (trapped torque)
	00:15 - 03:30	3.25	D	03		Drill f/ 3328'-3517' 189 ft. 58 ft/hr
	03:30 - 03:45	0.25	D	06		Rig service. Function upper pipe rams 7 sec.
	03:45 - 04:00	0.25	D	05		Survey, misrun
	04:00 - 05:30	1.50	D	03		Drill f/ 3517'-3615'. 98ft. 65 ft/hr. Close in mud tank system, monitor fluid loses @ 38 bbls/hr. Open up back to resreve pit.
2/28/2009	05:30 - 05:45	0.25	D	05		Acc connection time
	05:45 - 06:00	0.25	D	03		Drill f/ 3615'-3625' 10 ft 40ft/hr
	06:00 - 06:30	0.50	D	05		Acc. connection time



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/28/2009	06:30 - 12:00	5.50	D	03		Drill 12 1/4" hole f/ 3625' - 3913'
	12:00 - 12:15	0.25	D	18		Safety meeting Operating catwalk skate
	12:15 - 13:30	1.25	D	03		Drill f/ 3913' - 3994'
	13:30 - 13:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 7 sec's
	13:45 - 14:00	0.25	D	05		Deviation survey @3932'
	14:00 - 14:30	0.50	D	05		Acc. connection time
	14:30 - 22:45	8.25	D	03		Drill f/ 3994' - 4367'. 373 ft. 45 ft/hr. pumping 10 bbl sweeps every 50 ft.
	22:45 - 23:00	0.25	D	06		Rig service
	23:00 - 23:45	0.75	D	03		Drill f/ 4367'-4401'. 34 ft 45 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (Rotary table)
	00:15 - 03:30	3.25	D	03		Drill f/ 4401'-4551'. 150 ft. 46 ft/hr
	03:30 - 03:45	0.25	D	06		Rig service
	03:45 - 04:00	0.25	D	06		Survey
	04:00 - 05:30	1.50	D	03		Drill f/ 4551'-4646'. 95 ft. 63.3 ft/hr. Erratic penetration.
	05:30 - 06:00	0.50	D	05		ACC connection time
3/1/2009	06:00 - 06:30	0.50	D	05		Acc. connection time
	06:30 - 12:00	5.50	D	03		Drill 12 1/4" hole f/ 4646' - 4902'
	12:00 - 12:15	0.25	D	18		Safety meeeting Week end awarness
	12:15 - 17:45	5.50	D	03		Drill f/ 4902' - 5064' 162 ft. 29.4 ft/hr
	17:45 - 18:00	0.25	D	05		Acc. connection time
	18:00 - 20:15	2.25	D	03		Drill f/ 5064' - 5107' 64 ft. 19 ft/hr
	20:15 - 20:30	0.25	D	06		Rig service
	20:30 - 20:45	0.25	D	06		Survey
	20:45 - 23:45	3.00	D	03		Drill f/ 5107'- 5195' 88 ft. 29.3 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (House etiquette)
	00:15 - 04:00	3.75	D	03		Drill f/ 5195'-5238'. 43 ft. 11.5 ft/hr. Mud up @ 5201 ft.
	04:00 - 04:45	0.75	D	08		Circ Heavey LCM up.
	04:45 - 05:00	0.25	D	04		Pull 3 stands. Flow check 10 min.
	05:00 - 05:15	0.25	D	08		Pump slug in pipe. LCM pill spotted @ 2000 ft.
	05:15 - 06:00	0.75	D	04		POOH. for PDC.
3/2/2009	06:00 - 09:30	3.50	D	04		Cont. POH f/ 3553' Flow ck 2431', 711' Well taking 12 bph
	09:30 - 10:30	1.00	D	04		Recover MWD probe Cont. POH Remove and inspect bit Had 32 cracked & damaged cutters Bit 1/8" undergauge
	10:30 - 11:30	1.00	DT	54		Attempt to install wear bushing Unable to get below annular element
	11:30 - 13:30	2.00	DT	61		Make up bit # 2 PDC DSX70A12HF Unable to get MWD probe to seat in HBHO sub After numerous attempts at seating MWD, changed out UBHO sub !!
	13:30 - 16:45	3.25	D	04		RIH, Ream last 5 stand to bottom. F/ 4831'-5238'.
	16:45 - 17:00	0.25	D	05		Survey @ 5177' Inc 0.9 Azm 209.8
	17:00 - 18:00	1.00	D	03		Drill f/ 5238'-5265' 27 ft. 27 ft/hr
	18:00 - 18:15	0.25	D	06		Rig service
	18:15 - 23:45	5.50	D	03		Drill f/ 5265'-5362' 97 ft. 17.6 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (Pulling slips)
	00:15 - 02:00	1.75	D	03		Drill f/ 5362'-5384'. 22 ft 12.5 ft/hr
	02:00 - 02:15	0.25	D	06		Rig service. Function annular 23 sec. Lower pipe rams 7 sec.
	02:15 - 06:00	3.75	D	03		Drill f/ 5384'-5419' 35 ft. 9.3 ft/hr
3/3/2009	06:00 - 12:00	6.00	D	03		Drill 12 1/4" hole f/ 5419' - 5456'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping dp
	12:15 - 13:00	0.75	D	03		Drill f/ 5456' - 5462' Casg. Pt.
	13:00 - 13:45	0.75	D	08		Circ. btms. up



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/3/2009	13:45 - 14:00	0.25	D	05		Deviation survey @5404'
	14:00 - 15:45	1.75	D	04		Make 10 std. wiper trip up to 4737' Flow ck. Well taking 6 bph
	15:45 - 17:30	1.75	D	08		Circ. btms. up 2X
	17:30 - 20:15	2.75	D	04		Flow Ck. 5462', 5005'. 2432' Pump trip pill POH
	20:15 - 20:30	0.25	D	18		BOP Drill while tripping
	20:30 - 21:30	1.00	D	04		POOH to run csg. Flow Ck. 2432'
	21:30 - 23:00	1.50	D	04		Lay down 9.5" DC, TBR, Monel & Mud motor
	23:00 - 23:15	0.25	D	06		Rig service
	23:15 - 00:00	0.75	D	12		Clear floor & rig in Csg crew. Hole fill diff 25.34 bbls +.
	00:00 - 00:30	0.50	D	12		Clear floor & rig in Csg crew.
	00:30 - 00:45	0.25	D	18		Safety meeting. (Running Csg)
	00:45 - 01:00	0.25	D	06		Rig service
	01:00 - 02:30	1.50	D	12		Continue to rig in csg crew
	02:30 - 02:45	0.25	D	18		Safety meeting picking up csg
3/4/2009	02:45 - 06:00	3.25	D	12		Make up Float shoe & float collar, run 122 jt 9 5/8" # 40 N-80, LT&C. Make up torque 7370 ft/lbs make up torque. RIH @ 812'
	06:00 - 10:00	4.00	D	12		Cont. running 9 5/8 casg. f/ 244' - 3838' No returns f/ 2808' - 3838' Fill casg. and brk. circ. every 20 jts.
	10:00 - 11:30	1.50	DT	57		Build 600 bbls. vol. Viscosity 44 Wt. 8.9 ppg with 8 ppb lcm
	11:30 - 14:45	3.25	D	12		Start pumping, got partial returns after pumping 11 bbls. Casg. cap.291 bbls. Losses decreased considerably once lcm started comming up the annulus Cont. washing casg. to btm. @ 5462' Had 25' hard fill on btm.
	14:45 - 16:00	1.25	D	08		Circ. cond. mud and hole No mud losses last 2 hrs.
	16:00 - 16:30	0.50	D	12		Lay down 2 jts. casg. used to tag btm. Make up landing jt. Ran 117 jts. 9 5/8 N80 40# LT&C casg. Lenght with float equip., casg. hanger & landing jt. 5454.51'
	16:30 - 19:45	3.25	D	08		Cont. circ. while rigging in Schlumberger
	19:45 - 20:00	0.25	D	14		Safety meeting with cementers
	20:00 - 00:30	4.50	D	14		Preflush ahead 20 bbls Fresh water, 20 bbls S1 solution, stop clean lines, 30 bbl spacer fresh water, 20 bbls zone lock, stop clean lines, 30 bbls fresh water, Cement w/ 975 sk "G" High Lift 11 ppg, 682 bbl slurry Lead, 210 sks (10:0RFC)G+ 14.2 ppg, 59 bbl slurry. Mix CemNET conversion in first 100 bbls, next 100 bbls with out, next 100 bbls with, alternatting every 100 bbls to end of Lead. Mix in CemNET in tail cement. CemNET mix @ 1 lb/ bbl. Displace w/ 20 bbls water & 389 bbls 8.7 ppg 44 vis mud. Plug down 00:30 hrs 03/04/2009. Float held. Preflush water returns. Fluid dropped in annulas after stopped pumping.
	00:30 - 01:00	0.50	D	14		Rig out cementers.
	01:00 - 01:15	0.25	D	06		Rig service
	01:15 - 06:00	4.75	DT	52		Wait on cement for tempure log.
3/5/2009	06:00 - 11:00	5.00	DT	52		Wait on cmt.
	11:00 - 13:15	2.25	DT	52		Rig in Cased Hole Solutions Hold safety meeting Run temperature log to 3000' Cmt. top located at 760' Dennis Ingram (DNR) on loc. to verify cmt. top
	13:15 - 13:30	0.25	DT	52		Safety meeting (Logging)
	13:30 - 18:00	4.50	D	10		Install packoff bushing Inject stick packing Press. test packoff to 6000 psi Install wear bushing
	18:00 - 19:00	1.00	D	09		Press. test casg. to 300 psi low & 1500 psi high 10 min. duration
	19:00 - 21:00	2.00	D	04		Make up BHA # 3.
	21:00 - 00:30	3.50	D	04		RIH w/ PDC # 3. Pluse test survey tools @ 851 ft. RIH. Fill pipe @ 2852 ft. RIH to 5376 ft.
	00:30 - 00:45	0.25	D	18		Safety meeting. BOP drill, well secure 92 sec.
	00:45 - 01:00	0.25	D	06		Rig service

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Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
 Common Well Name: BOURNAKIS 3-18B4
 Event Name: DRILLING
 Contractor Name: PRECISION
 Rig Name: PRECISION

Start: 1/7/2009
 Rig Release: 4/4/2009
 Rig Number: 426
 Spud Date: 1/8/2009
 End: 4/5/2009
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/5/2009	01:00 - 01:45	0.75	D	06		Slip Cut line
	01:45 - 02:45	1.00	D	13		Drill out. Tag cement @ 5395'. Drill out Float collar @ 5414' & Float shoe @ 5450'
	02:45 - 03:15	0.50	D	08		Circ hole clean.
	03:15 - 03:30	0.25	D	18		FIT @ 5450 ft press to 1118 psi Mud wt. 12.84 ppg. Formation gradient 0.66 psi/ft.
	03:30 - 04:15	0.75	D	03		Drill f/ 5462'-5467.5'
	04:15 - 05:15	1.00	DT	59		Stuck in hole @ PDC. On bottom. Work pipe no movement. Pull to 226000 lbs, pipe free. Pull up into csg work pipe in csg. no drag. Pump press high, dropped back to normal.
3/6/2009	05:15 - 05:45	0.50	D	03		Drill f/ 5467.5' to 5479'
	05:45 - 06:00	0.25	D	05		Work pipe make connection
	06:00 - 08:30	2.50	D	03		Drill 8 3/4" hole f/ 5479' - 5540'
	08:30 - 09:15	0.75	D	05		Work tight hole and connection time
	09:15 - 13:15	4.00	D	03		Drill f/ 5540' - 5633' 93 ft 23.25 ft/hr
	13:15 - 13:45	0.50	D	05		Connection and survey time
	13:45 - 17:15	3.50	D	03		Drill f/ 5633' - 5725' 92 ft. 26.28 ft/hr
	17:15 - 17:45	0.50	D	05		Acc. connection and survey time No response from SDT tool
	17:45 - 22:00	4.25	D	03		Drill f/ 5725' - 5817' 92 ft. 21.64 ft/hr
	22:00 - 22:30	0.50	D	05		Work tight hole. Acc connection time.
3/7/2009	22:30 - 03:45	5.25	D	03		Drill f/ 5817'-5909' 90 ft. 17 ft/hr. Pason conection units 326
	03:45 - 04:15	0.50	D	05		Acc connection time
	04:15 - 06:00	1.75	D	03		Drill f/ 5909'-5926' 17 ft. 9.7 ft/hr
	06:00 - 12:00	6.00	D	03		Drill 8 3/4" hole f/ 5926' - 6002'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping dp
	12:15 - 12:30	0.25	D	06		Rig Ser. Function annular preventor c / o 18 sec's
	12:30 - 12:45	0.25	DT	64		Attempt to run survey Missrun
	12:45 - 13:00	0.25	D	18		Acc. connection time
	13:00 - 13:45	0.75	D	03		Drill f/ 6002' - 6017' Have lost 900 - 1000psi since early morning CK both pumps & surface equip. Everything checks out Ok
	13:45 - 18:00	4.25	DT	62		POH wet looking for wash out Flow ck'd at 5816', 3461', 890' & OOH Well static
3/8/2009	18:00 - 20:00	2.00	DT	62		Change out Motor, PDC & Survey tool. .
	20:00 - 22:00	2.00	DT	62		RIH w/ motor, Monel collar, two stands of DP. Kelly up & fill pipe. Press up to 525 psi. POOH check float in motor, was installed properly. RIH w/ motor, Monel one stand of DP. P Press up to 3000 psi. Bleed off. POOH. Install tongs & attempt to turn stadder. Unable. Change out survey to paluse tool.
	22:00 - 00:00	2.00	DT	62		Wait for mud motor.
	00:00 - 01:30	1.50	DT	62		Make up new mud motor, RIH w/ motor, monel collar & one stand DP. Paluse test survey tool & motor rotation. POOH & stand back stand.
	01:30 - 02:00	0.50	DT	62		Finish making up BHA.
	02:00 - 06:00	4.00	DT	62		RIH. Fill pipe @ 917 ft, 4039 ft. Had full return while running to 4039ft. Start RIH 4415 had no returns. RIH to 5550 ft Fill pipe & survey. Full returns RIH. Wash last two stands to bottom.
	06:00 - 06:30	0.50	D	09		Press. test mud manifold valves to 1000 psi Tested Ok
	06:30 - 11:45	5.25	D	03		Drill 8 3/4" hole f/ 6017' - 6168'
	11:45 - 12:00	0.25	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Week End Awareness
3/8/2009	12:15 - 14:30	2.25	D	03		Drill f/ 6168' - 6278'
	14:30 - 14:45	0.25	D	06		Rig Ser. Function lower pipe rams c / o 5 sec's
	14:45 - 15:00	0.25	D	05		Survey @6221'
	15:00 - 15:30	0.50	D	18		Acc. connection time



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/8/2009	15:30 - 21:30	6.00	D	03		Drill f/ 6278' - 6646' 368 ft. 61.3 ft/hr. Pumping 10 bbl. Hi Vis every 1000' and 10 bbl. cal. carb. sweep every 180' No noticeable down hole losses
	21:30 - 21:45	0.25	D	06		Rig service. Function upper & lower pipe rams 7 sec.
	21:45 - 23:30	1.75	D	03		Drill f/ 6646'-6743'. 97 ft. 55.4 ft/hr.
	23:30 - 00:00	0.50	D	05		Connection & survey time.
	00:00 - 00:15	0.25	D	18		Safety meeting (Rotary Table)
	00:15 - 04:45	4.50	D	03		Drill f/ 6743'-6926' 183 ft. 40.66 ft/hr
	04:45 - 05:00	0.25	D	06		Rig service. Function annular 23 sec.
	05:00 - 05:30	0.50	D	05		Connection time & survey time.
	05:30 - 06:00	0.50	D	03		Drill f/ 6926'- 6958' 30ft.60 ft/hr
	06:00 - 11:15	5.25	D	03		Drill 8 3/4" hole f/ 6958' - 7350'
3/9/2009	11:15 - 12:00	0.75	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Loader operation
	12:15 - 14:30	2.25	D	03		Drill f/ 7350' - 7482'
	14:30 - 14:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 5 sec's
	14:45 - 15:00	0.25	D	05		Survey @7412'
	15:00 - 17:30	2.50	D	03		Drill f/ 7482' - 7630' Pumping 10 bbl. Hi Vis sweep every 1000' and 10 bbl. Cal. Carb. sweep every 180' Very minor down hole losses
	17:30 - 18:00	0.50	D	05		Connection time
	18:00 - 21:00	3.00	D	03		Drill f/ 7630'-7760' 130 ft. 43.33 ft/min
	21:00 - 21:15	0.25	D	06		Rig service. Function annular 23 sec.
	21:15 - 23:45	2.50	D	03		Drill f/ 7760'-7820'. 60 ft. 24 ft/hr.
3/10/2009	23:45 - 00:00	0.25	D	05		Connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (lockouts)
	00:15 - 04:00	3.75	D	03		Drill f/ 7820'-7945' 125 ft. 33.33 ft/hr. Pumping 10 bbl. Hi Vis sweep every 1000' and 10 bbl. Cal. Carb. sweep every 180' Very minor down hole losses
	04:00 - 04:15	0.25	D	06		Rig service. Function upper & lower pipe rams. 7 sec.
	04:15 - 05:45	1.50	D	03		Drill f/ 7945'-8010' 65 ft. 43.3 ft/hr Back ground gas 380 units.
	05:45 - 06:00	0.25	D	05		Connection gas 1028 units
	06:00 - 06:15	0.25	D	05		Connection time & survey.
	06:15 - 12:00	5.75	D	03		Survey @7888'
	12:00 - 12:15	0.25	D	18		Drill 8 3/4" hole f/ 8010' - 8137'
	12:15 - 17:30	5.25	D	03		Safety Meeting Rolling casg.
3/11/2009	17:30 - 17:45	0.25	D	06		Drill f/ 8137' - 8226'
	17:45 - 18:00	0.25	D	05		Lubricate rig. Function upper/lower pipe rams / 8 seconds/ annular 18 seconds
	18:00 - 21:00	3.00	D	03		Deviation survey / connection time
	21:00 - 21:15	0.25	D	08		Drill actual f/ 8226' - 8246' . Lost 400# of pump pressure.
	21:15 - 00:00	2.75	D	04		Circulate bottoms up. Check surface equipment.
	00:00 - 00:15	0.25	D	18		POOH. FC @ 7847'. Drain kelly
	00:15 - 02:00	1.75	D	04		Safety meeting (Tripping pipe)
	02:00 - 05:00	3.00	D	04		TOH
	05:00 - 06:00	1.00	D	04		Lay down mud motor, break off bit, and lay down torque buster. Pick up new motor. Check MWD. Make up BHA. Pump through kill line with both pumps. TIH with monel and motor and pump through. Check MWD. TOH Make up bit.
	06:00 - 06:15	0.25	D	06		TIH
3/11/2009	06:15 - 09:15	3.00	D	04		Rig Ser. Function upper pipe rams c / o 6 sec's
	09:15 - 10:00	0.75	D	07		Cont. RIH f/ 706' - 8037' Fill Dp at 1109' & 4426'
	10:00 - 12:00	2.00	D	03		Wash f/ 8037' - btm. at 8246' Had 5' fill on btm.
	12:00 - 12:15	0.25	D	18		Drill 8 3/4" hole f/ 8246' - 8285'
						Safety meeting Winter conditions



EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009
End: 4/5/2009
Rig Release: 4/4/2009
Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/11/2009	12:15 - 15:15	3.00	D	03		Drill f/ 8285' - 8410'
	15:15 - 15:30	0.25	D	06		Lubricate rig. Function upper/lower pipe rams 8 seconds. Annular 18 seconds
	15:30 - 15:45	0.25	D	05		Deviation survey / accumulated connection time.
	15:45 - 18:00	2.25	D	03		Drill f/ 8410' - 8495'.
	18:00 - 00:00	6.00	D	03		Drill f/ 8495'-8693'
	00:00 - 00:15	0.25	D	18		Safety meeting (Steam)
	00:15 - 02:30	2.25	D	03		Drill f/ 8693'- 8785'
	02:30 - 02:45	0.25	D	06		Lubricate rig. Function upper/lower. 7 seconds C/O
	02:45 - 05:30	2.75	D	03		Drill f/ 8785' - 8915'
	05:30 - 06:00	0.50	D	05		Survey. Accumulated connection time.
3/12/2009	06:00 - 06:15	0.25	D	05		Deviation survey @8727'
	06:15 - 06:30	0.25	D	18		Acc. connection time
	06:30 - 12:00	5.50	D	03		Drill 8 3/4" hole f/ 8915' - 9260'
	12:00 - 12:15	0.25	D	18		Safety Meeting Mixing chemicals
	12:15 - 13:30	1.25	D	03		Drill f/ 9260' - 9353'
	13:30 - 13:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 8 sec's
	13:45 - 14:00	0.25	D	05		Deviation Survey @ 9294'
	14:00 - 14:45	0.75	D	18		Acc. connection time
	14:45 - 17:00	2.25	D	03		Drill f/ 9353' - 9550' Fair amount of oil coming out of hole
	17:00 - 18:00	1.00	D	05		Deviation time and accumulated connection time.
	18:00 - 23:45	5.75	D	03		Drill f/ 9550' - 9750'
	23:45 - 00:00	0.25	D	18		Accumulated connection time
	00:00 - 00:15	0.25	D	18		Safety Meeting (Long change)
	00:15 - 01:00	0.75	D	03		Drill f/ 9750' - 9792'
3/13/2009	01:00 - 01:15	0.25	D	06		Lubricate rig
	01:15 - 05:30	4.25	D	03		Drill f/ 9792' - 9970' Same amount of oil content over shaker.
	05:30 - 06:00	0.50	D	18		Survey and accumulated connection time.
	06:00 - 11:45	5.75	D	03		Drill 8 3/4" hole f/ 9970' - 10137' Displace hole to drlg. mud at @ 10000'
	11:45 - 12:00	0.25	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Washing out boiler
	12:15 - 16:00	3.75	D	03		Drill f/ 10137' - 10265'
	16:00 - 16:15	0.25	D	06		Rig Ser. Function annular preventor c / o 15 sec's
	16:15 - 17:30	1.25	D	03		Drill f/ 10265' - 10,327'
	17:30 - 18:30	1.00	D	05		Deviation and accumulated connection time.
	18:30 - 00:00	5.50	D	03		Drill f/ 10,327' - 10,544'. Slowed RPM's on bit through hard sections from 10,500 - 10,700.
	00:00 - 00:15	0.25	D	06		Lubricate rig. Function upper / lower pipe rams 8 seconds / annular 18 seconds.
	00:15 - 04:30	4.25	D	03		Drill f/ 10,544' - 10,733 Background gas increased to 2500 units @ 10,580 w/ a peak of 3300 units. 9.0# / Gallon mud. 43 visc. Started raising mud wt. to 9.3# /gallon @ 10,625'.
	04:30 - 04:45	0.25	D	06		Lubricate rig. Function upper/Lower pipe rams 8 seconds. Annular 18 seconds
3/14/2009	04:45 - 05:30	0.75	D	05		Deviation survey. Accumulated connection time.
	05:30 - 06:00	0.50	D	03		Drill f/ 10,733 - 10,790'
	06:00 - 08:15	2.25	D	03		Drill 8 3/4" hole f/ 10790' - 10886'
	08:15 - 15:45	7.50	DT	57		Lost complete returns Did not encounter any drilling brks. or abnormal torque Remove dp screen and screens from suction and discharge on mud pumps Start pumping down dp at 40 spm mixing assortment of lcm Lost 531 bbls. drlg. mud before regaining partial returns Cont.

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/14/2009	08:15 - 15:45	7.50	DT	57		circulating by passing shale shakers (shorten up mud system, using sand trap and troughing back to tank #4) From 1130 hrs. to 1215 hrs. Losses appeared to be nearly healed when all circ. was lost again Cont. pumping at reduced rate mixing, lcm directly into pill tank Regained partial returns after pumping 115 bbls. Keep pumping and mixing lcm as fast as possible Losses gradually slowing down
	15:45 - 16:00	0.25	DT	57		Run back to btm. Previously pulled 2 jts. dp to recover dp screen
	16:00 - 19:30	3.50	D	03		Drill f/ 10886' - 11,000' Continually adding lcm By passing shakers Have lazy 2' flare With 9.6ppg mud, BGG staying around 2800 - 2900 units
	19:30 - 23:30	4.00	DT	57		Circulate and condition mud. BGG @ 2200. Adding LCM and Calcarb. Raising mud wt to lower BGG to 500 units or less. Raising viscosity to 48. Working pipe regularly. Losing 60 - 70 Bbls./Hr. 47 Visc. , 9.8+ Wt. , and 26% LCM.
	23:30 - 01:30	2.00	DT	57		Pull 10 stands, Observe well for losses or gains. Mix LCM pill (40 BBls., 4 sx AES Bridge medium, 10 sx. sawdust, 8 sx. magmafiber, 5 sx. cedar fiber, 4 sx. hog hair, and 5 sx. cottonseed hulls.) Well static. Hole stayed full. No loss.
	01:30 - 02:30	1.00	DT	57		Install rotating head. TIH.
	02:30 - 03:00	0.50	DT	57		Pump LCM pill and displace.
	03:00 - 03:45	0.75	DT	57		Pull 10 stands of drill pipe.
	03:45 - 04:45	1.00	DT	57		Observe well for gains or losses. Wait on LCM pill.
	04:45 - 05:45	1.00	DT	57		TIH
	05:45 - 06:00	0.25	DT	57		Circulate and condition mud. Mix LCM and raise mud wt. to 10.0.
	06:00 - 10:00	4.00	DT	57		Circ. cond. mud and hole Still have minor losses Spot 40 bbl. Hi Vis lcm pill in annulus
	10:00 - 12:00	2.00	DT	57		POH f/ 11000' - 8172' Flow ck. at 10951', 8172' Well taking 12 bph Had slight tight spot at 9431'
	12:00 - 12:15	0.25	DT	57		Safety meeting Setting crown saver
3/15/2009	12:15 - 14:30	2.25	DT	57		Cont. POH f/ 8172' - Casg. shoe at 5450' Slight tight spot at 5963'
	14:30 - 14:45	0.25	DT	57		Rig Ser. Function lower pipe rams c / o 5 sec's
	14:45 - 17:45	3.00	DT	57		RIH Fill dp at 8164'
	17:45 - 22:45	5.00	DT	57		Wash last 200' to bottom. Bridge @ 10,890'. Took 30,000# to get through bridge. Losing mud on bottom. Lost app. 167 Bbls of mud for 1st hour after getting on bottom. Losses down to 50 Bbls/Hr. for short time, then back to 120 Bbls. / Hr. Mix LCM pill (40 BBls., 4 sx AES Bridge medium, 10 sx. sawdust, 8 sx. magmafiber, 5 sx. cedar fiber, 4 sx. hog hair, and 5 sx. cottonseed hulls.) and displace.
	22:45 - 03:00	4.25	DT	57		Pull pipe to 9000'. Observe well for gains or losses. Hole stayed full. No losses
	03:00 - 04:30	1.50	DT	57		Break circulation @ 9000'. TIH.
	04:30 - 06:00	1.50	DT	57		Wash last 200' to bottom. Break circulation. Losing mud at a rate of 120 Bbls/Hr. for first 45 minutes, no losses after that.
	06:00 - 07:30	1.50	DT	57		Cont. circulating, continually adding lcm to mud system When first back on btm. after making wiper trip, there were no losses for first 45 mins. then slowly started seeping away Lost 59 bbls. in 30 min. Spotted 40 bbl. hi vis lcm pill in annulus BGG 876 units
	07:30 - 12:00	4.50	DT	57		POH Flow ck. 10920' Hole taking 15 bph Pull up to 9911' Remove rotating head element Pump trip pill Cont. POH Flow ck. at 5465', 761' Hole taking 9 bph
	12:00 - 12:15	0.25	DT	57		Safety meeting Tripping out of hole
3/16/2009	12:15 - 15:00	2.75	DT	57		Layed down drig. jars, 2 TBR's, monel dc & mud motor Function blind rams c / o 5 sec's

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/16/2009	15:00 - 18:00	3.00	DT	57		Rig up and run 26 jts. 2 7/8" fibre glass tubing (759.72')
	18:00 - 20:30	2.50	DT	57		TIH to shoe
	20:30 - 21:00	0.50	DT	57		Cut and slip drilling line.
	21:00 - 21:15	0.25	DT	57		Lubricate rig. Function upper/lower pipe rams. 8 seconds/annular 18 seconds
	21:15 - 00:00	2.75	DT	57		TIH
	00:00 - 00:15	0.25	DT	57		Safety Meeting on cementing.
	00:15 - 01:00	0.75	DT	57		TIH to 10,889'
	01:00 - 03:45	2.75	DT	57		Break circulation to be sure that pipe was open. Wait on Schlumberger. RU Schlumberger. PJSM. Pressure test lines to 3000#.
3/17/2009	03:45 - 04:45	1.00	DT	57		Spot balanced plug. Pumped 25 Bbls. of Mudpush II, 69 Bbls (168 sx.) of 12.5# cement. 8 Bbls. of Mudpush II, and displaced with 157.5 Bbls. of 10.2# / gallon clean mud (No LCM). Bled off drill pipe. Flowed back approximately 6 Bbls.
	04:45 - 06:00	1.25	DT	57		TOH with drill pipe.
	06:00 - 08:30	2.50	DT	57		Circ. btms. up Insure dp & annulus is free of any cmt. contamination No sign of cmt. to surface Lost 54 bbls. drlg. mud while circ.
	08:30 - 08:45	0.25	DT	57		Rig Ser. Function annular preventor c / o 15 sec's
	08:45 - 12:00	3.25	DT	57		Remove rotating head element POH w/ cmt. string Flow ck'd at 9288', 5813', 759' Well started taking 9 bph, decreasing to 4 bph at last flow ck. at 759'
	12:00 - 12:15	0.25	DT	57		Safety meeting Review JSA #1234 Tripping in & out
	12:15 - 15:30	3.25	DT	57		Lay down 26 jts. 2 7/8" fiber glass tubing Function blind rams c / o 5 sec's
	15:30 - 18:45	3.25	DT	57		Make up RR #5 RIH with drlg. assembly
3/18/2009	18:45 - 19:45	1.00	DT	57		Break circulation and circulate bottoms up.
	19:45 - 01:30	5.75	DT	57		TIH. Took wt. @ 9345. Wash through. Took no wt. washing. Cement stringers from 9800'-10,528'. Drilling cement from 10,528'-10,885'. (357' * .0744 Bbls/ft = 26.56 Bbls of cement in open hole) Wash from 10,885' - 11,000' No losses.
	01:30 - 01:45	0.25	DT			Lubricate rig. Function upper and lower pipe rams. 8 seconds / annular 18 seconds
	01:45 - 03:00	1.25	D	57		Circulate and condition mud.
	03:00 - 06:00	3.00	D	57		Short trip to 9000'. Flow checks @ 11,000' and 9000'.
	06:00 - 10:30	4.50	D	08		Circ. cond. mud & hole Well static
	10:30 - 12:00	1.50	D	04		Pull rotating head rubber Pump trip pill POH laying down dp Flow ck. 10986' Well static
	12:00 - 12:15	0.25	D	18		Safety meeting JSA#34 Laying down dp
3/19/2009	12:15 - 02:30	14.25	D	04		Cont. laying down dp and BHA f/ 10470' - 0 Flow ck. 7000', 4500', 654'
	02:30 - 06:00	3.50	D	11		Pull wear bushing. Rig up Halliburton Logging. PJSM with Halliburton and rig crew. TIH with Logs.
	06:00 - 11:30	5.50	D	11		Cont. running log # 1 with Halliburton Loggers TD@ 11006' Ran GR - DSN - SDL - ACRT - IDT - WSTT Well static
	11:30 - 12:00	0.50	D	12		Rig in Kimzey Casg. Ser. Hold safety meeting
	12:00 - 12:15	0.25	D	18		Safety meeting Review JSA# 13 Running casg.
	12:15 - 14:00	1.75	D	12		Cont. rigging in power tongs, stabbing brd. etc.
	14:00 - 22:00	8.00	D	12		Run 7" intermediate casg. Hole displacing normally.
	22:00 - 22:45	0.75	D	08		Break circulation at casing shoe.
	22:45 - 02:15	3.50	D	12		Run 7" intermediate casg. Hole displacing normally.
	02:15 - 02:45	0.50	D	08		Break circulation @ 8200'. Broke circulation with 55 SPM. Full returns for first 15 minutes. Flow started dropping of to "0".
	02:45 - 06:00	3.25	D	12		Run 7" intermediate casing. Hole not displacing from 8200'- 9300'. Partial

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/19/2009	02:45 - 06:00	3.25	D	12		displacement from 9300'. Displacement getting progressively better as we run more pipe.
3/20/2009	06:00 - 10:00	4.00	D	12		Ran 248 jts. 7" HCP-110 LT&C casg. Lenght with float equip., casg. hanger & landing jt. 10996.27' Washed last 3 jts. to btm. Had 8' fill on btm. Cont. circ. while rigging out Kimzey casg. running equip.
	10:00 - 11:15	1.25	D	12		Lay down 2 jts. casg. that were used to wash to and tag btm. Make up casg. hanger and landing jt.
	11:15 - 12:00	0.75	D	08		Circ. casg. Build volume & add lcm to mud system
	12:00 - 12:15	0.25	D	18		Safety meeting Cmt'g casg.
	12:15 - 12:30	0.25	D	12		Rig out fill up tool Install cmt'g head
	12:30 - 13:30	1.00	D	08		Circ. casg.
	13:30 - 13:45	0.25	D	06		Rig Ser.
	13:45 - 19:00	5.25	D	08		Cont. circ. building vol. & add lcm to mud system Have lost 649 bbls. drlg. mud while running, washing to btm. & circulating casg. Losses gradually decreasing to very minor
	19:00 - 19:30	0.50	D	14		Safety meeting with Schlumberger
	19:30 - 23:00	3.50	D			Cement with 20 Bbls. of 11.0#/Gallon MUDPUSH II, Lead 186.4 Bbls. (352 sx.) of 11.5#/Gallon "G" highlift cement (yield 2.98ft ^3/sk-water = 18.2 Gallons/sk.) Good returns. Cemnet 2#/Bbl. throughout. Tail 76 Bbls (186 sx.) of Poz "G" Tail (yield 2.3 ft ^3/sk. Mix water = 12.51 Gal./sk.) Cemnet 2#/gallon throughout. Checked density w/ mudbalance 12.5 ppg. Good returns. Dropped the plug on the fly. Pumped 20 Bbls. of water and 386.5 bbls. of mud for displacement. Bumped plug @ 406.5 bbls. w/ 1575 psi. Good returns throughout job. Held pressure on plug for 10 minutes. Float held. Released pressure. Flowed back 1 bbl. Annulus stayed full. Reciprocated pipe 15'-20' all but last 20 Bbls. of displacement. Hole became sticky. Landed casing.
	23:00 - 03:30	4.50	D			Lay down landing joint. Install packoff assembly. Pressure test head.
	03:30 - 06:00	2.50	D			Change pipe rams. RU Weatherford for pressure test. P. test choke manifold valves 300/10,000 psi
3/21/2009	06:00 - 12:00	6.00	D	09		press. test casg. to 300 psi low & 2500 psi high 30 min. duration on high test Install test plug Press. test upper & lower pipe rams, both inner and outer choke & kill line valves, choke line & all choke manifold valves Annular preventor to 300 psi low and 3800 psi high Press. tested upper & lower kelly cocks, stabbing valve & inside bop Mud line and mud manifold valves to 300 psi low & 5000 psi high All rams to 300 psi low & 10000 psi high 10 min. duration Acc. ck. Do 4 function test with accumulator shut off Final acc. press. 1480 psi Recharge to 3000 psi in 2 min. 30 sec's
	12:00 - 12:15	0.25	D	18		Safety meeting Review JSA #7-9 Picking up BHA & dp
	12:15 - 13:00	0.75	D	09		Finish testing Bop
	13:00 - 13:15	0.25	D	06		Rig Ser. Function annular preventor c / o 16 sec's
	13:15 - 13:45	0.50	D	06		Change grabber dies & stabbing guide
	13:45 - 16:45	3.00	D	04		Make up 6 1/8" Ulterra MT1355CDS pdc bit & 4 3/4" National mud motor 7/8 lobe 3.7 stage .35 revs/ gal Install SMT survey tool
	16:45 - 17:45	1.00	D	04		RIH to 845' Function survey tool OK Cont. running in hole picking up 3 1/2" dp
	17:45 - 21:15	3.50	D	04		TIH from 845'-5515'. Fill pipe
	21:15 - 22:00	0.75	D	05		Deviation survey . check tools.
	22:00 - 00:00	2.00	D	04		TIH to 8534'
	00:00 - 00:15	0.25	D	18		Safety Meeting. Picking up drill pipe.
	00:15 - 01:45	1.50	D	04		TIH with 3 1/2" drill pipe from 8534' to 10921. Tagged cement at 10921'.
	01:45 - 03:00	1.25	D	18		Drilling cement, Float collar, and shoe.

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Operations Summary Report

Legal Well Name: BOURNAKIS 3-18B4
 Common Well Name: BOURNAKIS 3-18B4
 Event Name: DRILLING
 Contractor Name: PRECISION
 Rig Name: PRECISION

Spud Date: 1/8/2009
 Start: 1/7/2009 End: 4/5/2009
 Rig Release: 4/4/2009 Group:
 Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2009	03:00 - 03:45	0.75	D	03		Drilling from 11006'-11014'
	03:45 - 04:00	0.25	D	18		Install rotating head rubber.
	04:00 - 04:45	0.75	D	08		Circulate bottoms up for F.I.T. 10.1 Mud Wt. 1500# added pressure. .66 pressure gradient.
3/22/2009	04:45 - 05:30	0.75	D	18		Perform F.I.T.
	05:30 - 06:00	0.50	D			Drilling from 11014' to 11025'
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole from 11,022' to 11,084'. MW 10.1 ppg Background gas 60u with 220u max. 165 gpm until stabilizers out of casing, then increase to 180 gpm. 11k to 15k WOB. 35 rpm.
	12:00 - 12:15	0.25	D	18		Safety meeting (loading tubulars on trucks).
	12:15 - 13:00	0.75	D	03		Drill 6 1/8" hole from 11,084' to 11,091'. MW 10.1 ppg Background gas 60u with 75u max. 180 gpm. 11k to 15k WOB. 35 rpm.
	13:00 - 13:15	0.25	D	06		Lubricate rig. Annular 16 sec to close. UPR and LPR 5 sec to close.
	13:15 - 18:00	4.75	D	03		Drill 6 1/8" hole from 11,091' to 11,138'. MW 10.1 ppg Background gas 60u with 75u max. 180 gpm. 11k to 15k WOB. 35 rpm.
	18:00 - 22:00	4.00	D	03		Drill 6 1/8" hole from 11,138' - 11,187'. Lost app 30 bbls of mud from 11,164' - 11,181'.
	22:00 - 23:00	1.00	D	05		Deviation survey. 4X mis-runs. Tool is pulsing down hole. Possible problems with surface equipment.
	23:00 - 00:00	1.00	D	03		Drill 6 1/8" hole from 11,187' - 11,197'. Full returns. BGG 65 Units.
3/23/2009	00:00 - 00:15	0.25	D	18		Safety meeting on operating man lift / rental equipment
	00:15 - 00:30	0.25	D	06		Lubricate rig. Function upper/lower pipe rams.
	00:30 - 05:45	5.25	D	03		Drill 6 1/8" hole from 11,197' -
	05:45 - 06:00	0.25	D	18		Accumulated connection time.
	06:00 - 07:15	1.25	D	05		Attempt to get directional survey from MWD. Tool note decoding properly due to low pulse.
	07:15 - 12:00	4.75	D	03		Drill 6 1/8" hole 11,281' to 11,318'. Peak show from drilling break @ 11,271' was 5500u. Back ground leveled off at 750u, increased mud weight from 10.1 to 10.3. Back ground fell to 200u. WOB 17k, rpm 35, 180 gpm.
	12:00 - 12:15	0.25	D	18		Safety Meeting(90' mouse hole) review JSA
	12:15 - 16:30	4.25	D	03		Drill 6 1/8" hole 11,318' to 11,374'. Back ground 250u, mud weight from 10.3. WOB 14k to 17k, rpm 35, 180 gpm. Peak after drilling break at 11,332' peaked at 2750u and stabelized at 1500u+. Start to increase MW to 10.5 ppg. Lost 50 bbl of mud at 11,346'. 10 bbl caco3 sweep and 1 gal of polyswell cured the losses.
	16:30 - 16:45	0.25	D	06		Lubricate rig. Annular 16 sec to close. UPR and LPR 6 sec to close.
	16:45 - 17:30	0.75	D	03		Drilling 6 1/8" hole from 11,374' - 11,388'
3/24/2009	17:30 - 17:45	0.25	D	18		Accumulated connection time.
	17:45 - 18:00	0.25	D	05		Deviation survey
	18:00 - 00:00	6.00	D	03		Drilling 6 1/8" hole from 11,388' - 11,445'. Lost approximately 35 Bbls from 11,393' - 11,404'. Connection gas @ 11,347' - 5500 Units. BGG 2575 Units with a 10.5 Mud wt. Slowly raise mud wt.
	00:00 - 02:45	2.75	D			Drilling 6 1/8" hole from 11,445' - 14464'. Penetration slowed from 10'/hr. to 2'/Hr.
	02:45 - 03:15	0.50	D			Circulate bottoms up. BGG 180 Units.
	03:15 - 06:00	2.75	D			Flow check. Pull 5 stands. Pump trip pill.TFB #8.
	06:00 - 06:45	0.75	D	04		Trip out of hole from 7,100' to 6,698'.
	06:45 - 07:15	0.50	D	04		Flow check, pump dry job.
	07:15 - 09:30	2.25	D	04		Trip out of hole from 6,698' to 1,980'.
	09:30 - 10:15	0.75	D	18		Repair hydraulic hose on Top Drive.
3/24/2009	10:15 - 12:00	1.75	D	04		Trip out of hole from 1,980' to top of BHA at 908'.
	12:00 - 12:15	0.25	D	18		Safety meeting (Trip in and out) Review JSA.



EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/24/2009	12:15 - 12:30	0.25	D	04		Change bit, clear floor, close blind rams 6 sec. cal fill 86.25 bbl. actual fill 80.64 bbl.
	12:30 - 13:00	0.50	D	05		Change out MWD.
	13:00 - 14:30	1.50	D	04		Trip in hole w/ BHA and one stand DP. @ 1107'. Test MWD mud pulse tool.
	14:30 - 14:45	0.25	D	06		Service rig, function annular, 16 sec to close. function UPR and LPR, 6 sec to close.
	14:45 - 18:30	3.75	D	04		Trip in hole from 1107' to 10887'. F.C.F.P. @ 6707', 10887'.
	18:30 - 18:45	0.25	D	04		Install rotating rubber
	18:45 - 19:30	0.75	D	06		Slip & Cut, fill hole.
	19:30 - 20:30	1.00	D	05		Survey @ 11343', 1.6 Inc 213.6 Azm. Acc. connection time
	20:30 - 21:15	0.75	D	04		RIH, Wash last 2 stands to bottom.
	21:15 - 00:00	2.75	D	03		Drill fr. 11464'-11488'. 24 ft. 8.7 ft/hr. Break in PDC with light weight.
3/25/2009	00:00 - 00:15	0.25	D	18		Safety meeting on slip & cut.
	00:15 - 06:00	5.75	D	03		Drill f/ 11488'-11561'. 73 ft. 12.69 ft/hr. Back ground gas 1250 units down to 120 units
	06:00 - 06:15	0.25	D	18		Accumulated connection time
	06:15 - 12:00	5.75	D	03		Drill 6 1/8" hole from 11,561 to 11,633' 180 gpm, 25 rpm, 14 to 15 wob vis 46 mw 10.7ppg. BG 220 to 65u.
	12:00 - 12:15	0.25	D	18		Safety Meeting (working on monkey board) Review JSA
	12:15 - 14:15	2.00	D	03		Drill 6 1/8" hole from 11,633' to 11,657'. 180 gpm, 25 rpm, 14 to 15 wob vis 46 mw 10.7ppg. BG 200 to 350.
	14:15 - 14:30	0.25	D	06		Lubricate rig. Function annular, 15 sec to close. Function UPR and LPR 6 sec to close.
	14:30 - 17:30	3.00	D	03		Drill 6 1/8" hole from 11,657 to 11,703'. 46 ft, 15.33 ft/hr. 210 gpm, 25 rpm, 14 to 15 wob vis 46/42 mw 10.7ppg. BG 200 to 6908 units.
	17:30 - 17:45	0.25	D	05		Acc connection time
	17:45 - 18:15	0.50	D	05		Survey @ 11680'. 1.6 Inc 222.7 Azm.
3/26/2009	18:15 - 00:00	5.75	D	03		Drill 6 1/8" hole f/ 11703'-11809'. 106 ft. 18.43 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 44 mw. 10.6 ppg. 1259 units back ground gas. Running 10 gpgm make up water.
	00:00 - 00:15	0.25	D	18		Safety meeting on house keeping
	00:15 - 02:15	2.00	D	03		Drill 6 1/8" hole f/ 11809'-11847'. 38 ft. 19 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 43 mw. 10.8 ppg. 1065 units back ground gas. Running 10 gpg make up water.
	02:15 - 02:30	0.25	D	06		Rig service function upper & lower pipe rams. 8 sec. annular 18 sec,
	02:30 - 02:45	0.25	D	05		Acc connection time
	02:45 - 06:00	3.25	D	03		Drill 6 1/8" hole f/ 11847'-11908'. 61 ft. 18.76 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.8 ppg. 1065 units back ground gas. Running 10 gpg make up water. Connection gas 4460 units. No burnable gas
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole f/ 11908' to 12045. 137 ft. 22.2 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.8 ppg increased to 10.9 ppg. 1343 units back ground gas. Running 10 gpg make up water. Connection gas 3128 units. No burnable gas
	12:00 - 12:15	0.25	D	18		Safety meeting (Cleaning out belly pan) review JSA
	12:15 - 15:00	2.75	D	03		Drill 6 1/8" hole f/ 12045' to 12133'. 88 ft. 29.3 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg 1025 units back ground gas. Running 10 gpg make up water. Connection gas 4327 units. No burnable gas. Loosing about 10 bbl per hour.
	15:00 - 15:15	0.25	D	06		Lubricate rig Function annular 16 sec to close, function UPR and LPR 5 sec to close
3/26/2009	15:15 - 17:45	2.50	D	03		Drill 6 1/8" hole f/ 12133' to 12191. 58 ft. 23.2 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg 1000 units back ground gas. Running 10



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Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/26/2009	15:15 - 17:45	2.50	D	03		ggp make up water. Connection gas 2666 units. No burnable gas. Loosing about 10 bbl per hour.
	17:45 - 18:00	0.25	D	05		Acc connection time.
	18:00 - 19:30	1.50	D	03		Drill 6 1/8" hole f/ 12191' to 12227'. 36 ft. 24 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg.
	19:30 - 19:45	0.25	DT	55		Flow check @ 12227 ft. Shut in well, hard shut in
	19:45 - 02:30	6.75	DT	55		Well flowing, reach MACP, Start pump with # 2 @ 3/4 RSPP. 46 stks. Keeping up with gas kick. Slow pump to RSPP 34 stks. Not keepin up with kick. Increase RSPP to 44 stk. Holding 1440 psi on DP. Pump #2 straving switch to pump #1. Pump are straveing do parifin wax from well bore, Switch back to # 2 pump. Full circ around Stop pump, shut in well. Csg press 370 psi to 537 psi in 1 hr 26 mins. Pipe press 121 psi to 400 psi in 1 hr 16 mins, dropped to 288 psi & increased to 310 psi 10 mins.
3/27/2009	02:30 - 06:00	3.50	DT			Prepare & start #2 pump holding 1550 psi on DP. Raise mud density to 12.1 ppg. mixing sk barite through hopper & LCM. Stop pump. Flow check.
	06:00 - 10:15	4.25	D	03		Drill 6 1/8" hole f/ 12227' to 12323'. 96 ft. 22.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.1 ppg and raised to 12.3 ppg due to increased gas. 1500 units back ground gas. Connection gas 2533 units. No burnable gas after first round circulation. No losses.
	10:15 - 10:30	0.25	D	06		Lubricate rig Function annular 23 sec to close, function UPR and LPR 6 sec to close
	10:30 - 12:00	1.50	D	03		Drill 6 1/8" hole f/ 12323' to 12360'. 37' ft. 24.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 1500 units back ground gas. Connection gas 2288 units. No burnable gas. No losses.
	12:00 - 12:15	0.25	D	18		Safety Meeting (Mixing chemicals)
	12:15 - 14:30	2.25	D	03		Drill 6 1/8" hole f/ 12360' to 12418'. 58' ft. 25.8 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 1500 units back ground gas down to 500 when 12.3 around. No burnable gas. Lost partial returns.
	14:30 - 15:30	1.00	DT	57		Mix 2 sweeps and pump them to cure partial returns.
	15:30 - 18:00	2.50	D	03		Drill 6 1/8" hole f/ 12418' to 12468'. 50ft. 20 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 929 units back ground gas. Connection gas 1921 units. No burnable gas.
	18:00 - 18:15	0.25	D	06		Rig service. Function upper pipe rams 6 sec.
	18:15 - 00:00	5.75	D	03		Drill 6 1/8" hole f/ 12468' to 12602'. 134 ft. 23.3 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 627 units back ground gas. Connection gas 1291 units. No burnable gas. Running 3 gals/min add water to mud system. Pumping calcarb sweeps every 90 ft.
	00:00 - 00:15	0.25	D	18		Safety meeting Using BOP tags, Rev JSA # 40
	00:15 - 04:00	3.75	D	03		Drill 6 1/8" hole f/ 12602' to 12700'. 98 ft. 26.13 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 530 units back ground gas. Connection gas 1060 units. No burnable gas.
	04:00 - 04:15	0.25	D	06		Rig service. Annular 16 sec. upper & lower rams 6 sec.
3/28/2009	04:15 - 06:00	1.75	D	03		Drill 6 1/8" hole f/ 12700' to 12737'. 37 ft. 21.24 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 530 units back ground gas. No burnable gas.
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole f/ 12755' to 12891'. 136 ft. 22.7 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.4 ppg. 500 units back ground gas. Connection gas 1181 units. No burnable gas. 2 to 3 gal per hour fresh water
	12:00 - 12:15	0.25	D	18		Safety Meeting (skate use)
	12:15 - 12:30	0.25	D	06		Rig service. Annular 16 sec. upper & lower rams 6 sec.
	12:30 - 17:30	5.00	D	03		Drill 6 1/8" hole f/ 12891' to 12999. 108 ft. 21.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.4 ppg. 551 units back ground gas. Connection gas 3905 units. No burnable gas. 2 to 3 gal per hour fresh water



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/28/2009	17:30 - 18:00	0.50	D	05		Accu connection time
	18:00 - 19:30	1.50	D	03		Drill 6 1/8" hole f/ 12999' 13014' 15 ft 10 ft/hr.
	19:30 - 20:15	0.75	DT	67		Clean out LCM under pump valves
	20:15 - 23:45	3.50	D	03		Drill 6 1/8" hole f/ 13014' to 13091'. 77 ft. 22 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 12.5 ppg. 645 units back ground gas. No burnable gas. 2 to 3 gal per hour fresh water
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. Confined space entry & rescue in tanks, JSA # 24
	00:15 - 04:15	4.00	D	03		Drill 6 1/8" hole f/ 13091' to 13175'. 84 ft. 21 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 497 units back ground gas. No burnable gas. 2 to 3 gal per hour fresh water
	04:15 - 04:30	0.25	D	06		Rig service Function annular 15 sec. upper lower pipe rams. 5 sec.
3/29/2009	04:30 - 06:00	1.50	D	03		Drill 6 1/8" hole f/ 13175' to 13206'. 31 ft. 20.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 497 units back ground gas. Connection gas 1606 units. No burnable gas. 2 to 3 gal per hour fresh water
	06:00 - 11:30	5.50	D	03		Drill 6 1/8" hole f/ 13209' to 13319'. 110 ft. 20.0 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 41 mw. 12.5 ppg. 424 units back ground gas. Connection gas 1725 units. No burnable gas. 2 to 3 gal per hour fresh water
	11:30 - 12:00	0.50	D	18		Accumulated connection time
	12:00 - 12:15	0.25	D	18		Safety Meeting (loader operation)
	12:15 - 16:30	4.25	D	03		Drill 6 1/8" hole f/ 13319' to 13420'. 101 ft. 22.4 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 41 mw. 12.5 ppg. 552 units back ground gas. Connection gas 1763 units. No burnable gas. 2 to 3 gal per hour fresh water
	16:30 - 19:00	2.50	D	08		Circulate and condition hole. 2 bottoms up and pump slug. Increase vis for short trip and logging. Flow check.
	19:00 - 22:30	3.50	D	04		Wiper trip to csg shoe. Tight spot @ 11945'-11936' pulled 42,000 over. Flow check. RIH. Circ gas 4724 unit. Back ground down to 460 units.
	22:30 - 22:45	0.25	D	07		Wash to bottom. 3 ft fill.
	22:45 - 00:00	1.25	D	08		Circ & condition hole. Work pipe.
	00:00 - 00:15	0.25	D	18		Safety meeting. Tripping JSA # 1 & 2.
	00:15 - 01:30	1.25	D	08		Circ & condition hole. Work pipe.
	01:30 - 01:45	0.25	D	06		Rig service. Function annular 16 sec. Upper & lower pipe rams 6 sec.
3/30/2009	01:45 - 02:15	0.50	D	04		POOH f/ 13420' - FC @ 13420', 12975'
	02:15 - 02:45	0.50	D	18		Pull RBOP
	02:45 - 06:00	3.25	D	04		POOH. F/ 12975' - 6800'
	06:00 - 10:00	4.00	D	04		Continue trip ooh to log. Lay down 6 DC's and Jars.
	10:00 - 11:30	1.50	D	04		Lay down MWD and Motor. Grade bit. No degadinging marks except some dulling of cutters. Strap 13410.03' Hole fill Cal 93.3 bbl actual 96.2 diff 2.7 bbl.
	11:30 - 11:45	0.25	D	18		Safety meeting w/ Halliburton loggers.
	11:45 - 16:00	4.25	D	11		Rig up Halliburton and RIH. Triple combo and wave sonic and dir survey. RIH TO 11200', HUNG UP, WORK TO 11600'. STILL DRAGING AND STICKY. Pull up to 6000' over to move tool. Pooh inspect tools.
						Centralizers look like part of the problem.
	16:00 - 18:30	2.50	DT	67		Lay down and reline tools to run standard triple combo. No sonic. RIH.
	18:30 - 20:00	1.50	DT	67		Tag bridge @ 11440'. Work tools to 11450'. Pull double wire line weight pulling up, out of tight spot POOH & rig out Loggers.
	20:00 - 20:30	0.50	D	06		Fix Clamp on Top Drive.
	20:30 - 00:00	3.50	DT	56		Make up BHA, Bit, Bit sub, one DC, TBR, one DC, TBR, six DC, Jars, four 4 DC. six HWDP. RIH w/ DP.
	00:00 - 00:15	0.25	DT	56		Safety meeting. Tripping, JAS # 1&2.



Operations Summary Report

Legal Well Name: BOURNAKIS 3-18B4
 Common Well Name: BOURNAKIS 3-18B4
 Event Name: DRILLING
 Contractor Name: PRECISION
 Rig Name: PRECISION

Spud Date: 1/8/2009
 Start: 1/7/2009 End: 4/5/2009
 Rig Release: 4/4/2009 Group:
 Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/30/2009	00:15 - 02:45	2.50	DT	56		RIH to 6700'. Fill pipe. RIH to 10941'.
	02:45 - 03:00	0.25	DT	56		Install RBOP
	03:00 - 06:00	3.00	DT	56		Kelly up circ, tag bridges @ 11446, 11521, 11556, 11727, 11878, 11947, 11974. Taking weight from 4000 lbs to 15,000 lbs. Possible pushing something
3/31/2009	06:00 - 07:45	1.75	D	04		Cont. RIH f/ 12306' - 13420' Wash last 2 std's to btm. No noticeable fill on btm.
	07:45 - 09:30	1.75	D	08		Circ. cond. mud and hole Had 3212 units gas on btms. up Back grd. 749 units No sign of any sloughing shale / etc. coming over shakers
	09:30 - 12:00	2.50	D	04		Make wiper trip up to csg shoe @ 10998' Slight tight spot at 13089'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping
	12:15 - 12:30	0.25	D	06		Rig Ser. Function annular preventor c / o 23 sec's
	12:30 - 14:30	2.00	D	04		Cont. RIH Wash last 2 std's to btm. No noticeable fill on btm. Had 3422 units gas on btms. up
	14:30 - 17:00	2.50	D	08		Circ. btms. up 2X Mud Wt. 12.6 ppg Vis. 47 No mud losses while circulating
	17:00 - 00:00	7.00	D	04		POH to log. Drop drift w/ 120 ft survey line tied to drift. Flow check 6700'
	00:00 - 00:15	0.25	D	18		Safety meeting. Tripping out
	00:15 - 01:45	1.50	D	04		POOH to log. Flow check @ 840'. On bank function blind rams. 6 sec.
4/1/2009	01:45 - 02:00	0.25	D	06		Rig service. Function upper & lower pipe rams. 4 sec. Hole fill measured 130 bbls Calculated 89.91 bbls, diff 41 bbls. Pipe pulling wet. Bit & drift full of wax.
	02:00 - 06:00	4.00	D	11		Rig in loggers, RIH & tag bottom. Loggers depht 13430ft. Log.
	06:00 - 07:30	1.50	D	11		Finish running log #1 Triple Combo 13430' - 10988'
	07:30 - 12:00	4.50	D	11		Run log #2 Wave Sonic 13330' - 10988' No major hole problems running logs
	12:00 - 12:15	0.25	D	18		Safety meeting JSA#13 Running csg.
	12:15 - 14:00	1.75	D	11		Finish running log #2
	14:00 - 14:15	0.25	D	06		Rig ser. Function upper pipe rams c / o 4 sec's
	14:15 - 14:45	0.50	D	12		Rig in Franks Westates power tongs Hold safety meeting w/ Halliburton tool hands & tong Co.
	14:45 - 20:00	5.25	D	12		Run 66jts, 4 1/2" 15.1 ppg P-110 LT&C liner.
	20:00 - 21:00	1.00	D	12		Install csg hanger. Trouble with installing hanger do to casing eggd, which is not allowing plug release to go inside casing. Replace jt csg with jt # 74.
4/2/2009	21:00 - 00:00	3.00	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 2237'-5307'
	00:00 - 00:15	0.25	D	18		Safety meeting Tripping in with casing hanger. JSA 1&2
	00:15 - 03:30	3.25	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 5307'- 10892'
	03:30 - 05:00	1.50	D	08		Break circ @ 10871', circ bottoms up @ 176 gpm. 1255 psi. Back ground gas 621 units. Trip gas 3107 units. no burnable gas.
	05:00 - 06:00	1.00	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 10892'-12104'
	06:00 - 12:00	6.00	D	12		Wash liner to btm. from 12900' - 13420' Lost 188 bbls. drlg. mud to form. while washing to btm. Had 4409 units gas on btms. up Ran 66 jts. 4 1/2" 15.1# P-110 LT&C liner Lenght with float equip. & hanger / packer @2632.72'
	12:00 - 12:15	0.25	D	18		Safety meeting w/ Halliburton and Schlumberger
	12:15 - 12:45	0.50	D	12		Lay down 1 jt. dp used to tag btm. Make up 10' pup jt. & cmt. head
	12:45 - 13:45	1.00	D	08		Cont. circ
	13:45 - 19:15	5.50	D	14		Cement 4 1/2" liner w/ 20 Bbls of MUDPUSH II, 65 Bbls (235 sks) of 50/50 Poz 14.1# / gal. cement, Washed up, Pumped 5 bbls. of retarded

RECEIVED October 27, 2009



EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
Start: 1/7/2009 End: 4/5/2009
Rig Release: 4/4/2009 Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/2/2009	13:45 - 19:15	5.50	D	14		fluid, 33 Bbls. of 2% KcL, 5 Bbls. retarded fluid, 73 Bbls. of drilling mud at 4 Bbls/min. Slowed to 2 Bbls / minute 5 bbls before liner hanger and 5 Bbls after) 10 Bbls of mud at 1.5 Bbls/min. Bumped plug at 14:34 hrs. Pressure prior to bumping 2300 psi. Pressured to 2950#. Held pressure for 5 minutes. Float held. Pressure up to 3800# rupture disc in liner hanger. Drop ball and circulate with Schlumberger. Ball seated @ 65 bbls 5100 psi. Set hanger. Released from hanger. Picked up 10' above liner. Pumped a total of 645 bbls bottoms up, working pipe the entire time. Circulated 20 Bbls of cement to surface. 3947 units gas prior to circulating, finished with 77 units. Positive test w/ Schlumberger: 1500# for 10 Minutes. Held. Displaced hole with 2% KcL. 406 bbls.
	19:15 - 19:30	0.25	D	14		Flow check. Well static.
	19:30 - 20:45	1.25	D	14		Rig out cementers
	20:45 - 21:00	0.25	D	18		Safety meeting, Laying down pipe. JSA # 34
	21:00 - 00:00	3.00	D	04		POOH Laying down pipe. Flow check @ 10019'.
4/3/2009	00:00 - 00:15	0.25	D	18		Safety meeting. laying down DP. JSA # 34
	00:15 -		D	04		POOH 800'. Laying down pipe. Flow check @ 5000'.
	06:00 - 06:15	0.25	D	18		Safety meeting JSA#34 Laying down dp
	06:15 - 10:30	4.25	D	04		RIH w/ dc's, Hwdp & 21 std's dp from derrick & lay down same
	10:30 - 11:45	1.25	D	06		Slip & cut drill line
	11:45 - 12:15	0.50	D	09		Rig in Cased Hole Solutions Hold safety meeting
	12:15 - 16:45	4.50	D	09		Run #1 Ran 6" gauge ring / junk basket to liner top @10807'
						Run #2 Ran 3.625" gauge ring / junk basket Tagged 4 1/2" float collar at 13387'
						Run #3 Run wireline set, tubing retrievable Weatherford bridge plug Set at 85' Below RT
	16:45 - 17:30	0.75	D	09		Press. test bridge plug to 1500 psi 10 min.
4/4/2009	17:30 - 00:00	6.50	D	15		Change out 3 1/2" rams to 5" rams. Nipple down BOPS.
	00:00 - 00:15	0.25	D	18		Safety meeting. Nipple down BOPs. JSA # 16.
	00:15 - 06:00	5.75	D	09		Nipple down BOPs. (Double gate rams fell through matting, reinforce matting with 3" X 12" planks.) Strip LCM out of mud.
	06:00 - 08:00	2.00	D	01		Remove C section & upper pack off
	08:00 - 12:00	4.00	D	09		Install 13 5/8 5k x 7 1/16 10k tubing spool Press. test PE seal to 5000 psi 10 min. Install 7 1/16 10k Bop Run in and pull retrievable bridge plug Install test plug in tubing hanger Test plug to short Lock down screws going in above test plug
	12:00 - 14:00	2.00	DT	53		Wait on Proper test plug
	14:00 - 16:30	2.50	D	10		Install test plug Press. test blind rams to 10000 psi 10 min. Remove test plug & secure well
	16:30 - 00:00	7.50	D	01		Tear out top drive. Lay down torque bushing, rig down service loop.
	00:00 - 00:15	0.25	D	18		Safety meeting. Rigging out top drive.
	00:15 - 06:00	5.75	D	01		Rig out torque tub. Lay down swivel, rig up dynapex, rig out floor & prepare tarps for rig out.
4/5/2009	06:00 - 12:00	6.00	D	01		Rig out floor and prepare tarps for rig out Spool winches, drop catch pan, lay out v door, stairs & lay over racking floor
	12:00 - 12:15	0.25	D	18		Safety meeting Suspended loads
	12:15 - 23:00	10.75	D	01		Lay over racking floor, spool up hydraulic hoses Inspect derrick and lay over Derrick down @1530 hrs. Pull power cords Take down prefab frame work Cont. with general tear out 70 ton crane arrived on loc. 1100 hrs. Held safety meeting with crane and rig crew
	23:00 - 00:00	1.00	D	01		Rig released 23:59 04/04/2009
	00:00 - 06:00	6.00	D	01		Wait for day light

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		8. WELL NAME and NUMBER: BOURNAKIS 3-18B4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013340910000
PHONE NUMBER: 303 291-6417 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/4/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ATTACHED PLEASE FIND EL PASO DRILLING REPORT FOR SUBJECT WELL		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 16, 2010		
NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A	DATE 2/11/2010	



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426

Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/19/2009	06:00 - 07:00	1.00	D	01		Wait on day light
	07:00 - 07:30	0.50	D	18		Safety meeting w/ trucking, crane and rig crews
	07:30 - 19:00	11.50	D	01		Take down tarps and pre fab. Split derrick and load out. Lower substructure. Rig down SCR houses and load out. Remove draw works from floor and load out. Lower "A" legs on substructure. Remove frogs from substructure. Remove bridle line. Load out sub halves. All loads off of location with the exception of 2 mud pits, #1 mud pump, Top drive power unit, gas buster, and clean up.
2/20/2009	19:00 - 06:00	11.00	D	18		Wait on daylight
	06:00 - 07:00	1.00	D	18		Wait on Daylight
	07:00 - 19:00	12.00	D	01		Set and level sub halves. Install frogs. Put draw works on floor. Install flooring around draw works. Install tarp rails and tarps around draw works. Set pump and kill manifold, Set both pumps and hook up. Set both steel pits and manifold together. Set water tank, SCR houses, Koomey shack, and BOS tank. Hook up electrical and fuel lines. Set in gas buster and hook up flow line to shakers. Line up derrick and pin together.
2/21/2009	19:00 - 06:00	11.00	D	18		Wait on daylight.
	06:00 - 19:00	13.00	D	01		Continue rigging up. Install pre fab and tarps. Attach lines to raising winches. Raise floor. Finish setting in rig. 400 Bbl Tanks, Top Drive house. Install board on derrick. Install bridle lines from Sub to derrick. Start stringing up blocks.
2/22/2009	19:00 - 06:00	11.00	D	18		Wait on Daylight
	06:00 - 07:00	1.00	D	01		PJSM with crews, Crane, and Trucking. String up blocks, Spool drilling line and tie back to dead line anchor. Work on tarps. PJSM and Derrick inspection prior to raising. Raise derrick. Install racking platform. Spot manifold house. Hook up gas buster. Raise racking platform. Set in front end (catwalk, Top Drive power unit, Flow stack) Cut off 20" and 13 3/8" casing. Weld on Braden head (Top of head 16" below top of matting boards)
2/23/2009	07:00 - 06:00	23.00	D	01		Rig up steam and water lines. Finish with tarps.
	06:00 - 12:00	6.00	D	01		Finish steam and water lines. Lay out Dynaplex. Pick up swivel. Install splash pan.
	12:00 - 12:15	0.25	D	01		Safety meeting (Pick up Top drive)
	12:15 - 18:00	5.75	D	01		Pick up torque tube, hydraulic hoses, and saddle.
2/24/2009	18:00 - 00:00	6.00	D	01		Pick up torque bushing and hang top drive from swivel.
	00:00 - 00:15	0.25	D	18		Safety Meeting (Nipple up BOP's - review JSA #15)
	00:15 - 06:00	5.75	D	01		Finish rigging up top drive.
	06:00 - 08:00	2.00	D	15		Nipple up 13 5/8" 10K Class V Bop
	08:00 - 11:00	3.00	D	18		Prespud meeting held at Altamont gas plant
	11:00 - 12:00	1.00	D	15		Cont. nipple up Bop
	12:00 - 12:15	0.25	D	18		Safety meeting Nipple up Bop's
	12:15 - 21:30	9.25	D	15		Cont. nipple up Bop's
	21:30 - 23:45	2.25	D	15		High torque pump not working wait for new pump from Vernal. Continue nipple up choke line.
	23:45 - 03:45	4.00	D	15		Torque up BOP stack. Continue nipple up choke line.
	03:45 - 05:15	1.50	D	15		Change cross over from 4 1/2 FH to 4 1/2 XH on top drive, prepare & pick up test plug, RIH & set in csg bowl. Wrong cross over on test plug, unable to use cross over from wear bushing, Weatherford hot shooting cross over from Vernal.
2/25/2009	05:15 - 06:00	0.75	D	09		Press test choke manifold 250 psi low, 1000 psi high.
	06:00 - 12:00	6.00	D	09		Press test Pipe rams, Blind rams, choke manifold, inside BOP, stabbing valve, kill lines, HCR & manual HCR to 300 psi low, 5000 psi high. Test annular to 3600 psi. Pres test csg to 1000 psi.



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426

Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/25/2009	12:00 - 12:15	0.25	D	18		Safety meeting (press testing)
	12:15 - 16:00	3.75	D	09		Finish press testing & function test accumulator
	16:00 - 16:45	0.75	D	06		Slip & cut drill line
	16:45 - 17:00	0.25	D	06		Rig service
	17:00 - 17:30	0.50	DT	60		Work on top drive
	17:30 - 19:00	1.50	DT	53		Attempt to instal wear bushing, leave out.
	19:00 - 20:00	1.00	D	04		Make up BHA.
	20:00 - 00:00	4.00	D	04		RIH w/ DC & HWDP.
	00:00 - 00:15	0.25	D	18		Safety meeting (RIH w/ BHA) review JSA # 9
	00:15 - 00:30	0.25	D	04		RIH picking up pipe.
	00:30 - 02:30	2.00	D	13		Drill out cement. Tag cement top @ 766 ft. Tag float collar @ 789 ft.
	02:30 - 02:45	0.25	D	03		Drill from 836'-850'.
	02:45 - 03:00	0.25	D	18		BOP drill 92 sec to shut well in.
	03:00 - 03:30	0.50	D	18		Formation leak off. leak off gradient .81psi/ft
2/26/2009	03:30 - 05:30	2.00	D	03		Drill f/ 850'-1011'
	05:30 - 06:00	0.50	D	05		Acc. connection time
	06:00 - 11:30	5.50	D	03		Drill 21 1/4" hole f/ 1011' - 1441'
	11:30 - 12:00	0.50	D	05		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety Meeting Mouse hole connections
	12:15 - 12:45	0.50	D	03		Drill f/ 1441' - 1486'
	12:45 - 13:00	0.25	D	05		Survey @ 1429'
	13:00 - 16:00	3.00	D	03		Drill f/ 1486' - 1683'
	16:00 - 16:15	0.25	D	06		Rig Ser. Function annular preventor c / o 23 sec's
	16:15 - 17:30	1.25	D	03		Drill f/ 1683' - 1773'
	17:30 - 18:00	0.50	D	05		Acc. connection time
	18:00 - 23:30	5.50	D	03		Drill f/ 1773' - 2133' 360ft 65 ft/hr
	23:30 - 23:45	0.25	D	05		Survey @ 1871' 0.7 Inc. 214.4 Azm
	23:45 - 00:00	0.25	D	05		Acc Connection time
2/27/2009	00:00 - 00:15	0.25	D	18		Safety meeting. (Pipe spinner use) JSA # 47
	00:15 - 02:15	2.00	D	03		Drill f/ 2133'-2249' 116 ft. 58 ft/hr
	02:15 - 02:30	0.25	D	06		Rig service
	02:30 - 05:30	3.00	D	03		Drill f/ 2249'-2415' 166 ft 55 ft/hr
	05:30 - 06:00	0.50	D	05		ACC Connection time
	06:00 - 06:45	0.75	DT	64		Acc. survey time (3 failed surveys)
	06:45 - 11:30	4.75	D	03		Drill 12 1/4" hole f/ 2415' - 2700'
	11:30 - 12:00	0.50	D	03		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Plan for working safe in 2009
	12:15 - 16:30	4.25	D	03		Drill f/ 2700' - 2947' 247 ft. 58 ft/hr
	16:30 - 16:45	0.25	D	05		Survey, misrun
	16:45 - 17:00	0.25	D	06		Rig service
	17:00 - 17:30	0.50	D	05		Acc connection time
	17:30 - 23:30	6.00	D	03		Drill f/ 2947'-3328' 381 ft. 63.5 ft/hr. Close in mud system, monitor loses 2hrs, 105 bbl loses, 53 bbls/hr. open up back to resreve pit.
2/28/2009	23:30 - 00:00	0.50	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. (trapped torque)
	00:15 - 03:30	3.25	D	03		Drill f/ 3328'-3517' 189 ft. 58 ft/hr
	03:30 - 03:45	0.25	D	06		Rig service. Function upper pipe rams 7 sec.
	03:45 - 04:00	0.25	D	05		Survey, misrun
	04:00 - 05:30	1.50	D	03		Drill f/ 3517'-3615'. 98ft. 65 ft/hr. Close in mud tank system, monitor fluid loses @ 38 bbls/hr. Open up back to resreve pit.
	05:30 - 05:45	0.25	D	05		Acc connection time
	05:45 - 06:00	0.25	D	03		Drill f/ 3615'-3625' 10 ft 40ft/hr
	06:00 - 06:30	0.50	D	05		Acc. connection time

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EL PASO PRODUCTION

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Operations Summary Report

Legal Well Name: BOURNAKIS 3-18B4

Common Well Name: BOURNAKIS 3-18B4

Event Name: DRILLING

Start: 1/7/2009

Spud Date: 1/8/2009

Contractor Name: PRECISION

Rig Release: 4/4/2009

End: 4/5/2009

Rig Name: PRECISION

Rig Number: 426

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/28/2009	06:30 - 12:00	5.50	D	03		Drill 12 1/4" hole f/ 3625' - 3913'
	12:00 - 12:15	0.25	D	18		Safety meeting Operating catwalk skate
	12:15 - 13:30	1.25	D	03		Drill f/ 3913' - 3994'
	13:30 - 13:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 7 sec's
	13:45 - 14:00	0.25	D	05		Deviation survey @3932'
	14:00 - 14:30	0.50	D	05		Acc. connection time
	14:30 - 22:45	8.25	D	03		Drill f/ 3994' - 4367'. 373 ft. 45 ft/hr. pumping 10 bbl sweeps every 50 ft.
	22:45 - 23:00	0.25	D	06		Rig service
	23:00 - 23:45	0.75	D	03		Drill f/ 4367' - 4401'. 34 ft 45 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (Rotary table)
	00:15 - 03:30	3.25	D	03		Drill f/ 4401' - 4551'. 150 ft. 46 ft/hr
	03:30 - 03:45	0.25	D	06		Rig service
	03:45 - 04:00	0.25	D	06		Survey
3/1/2009	04:00 - 05:30	1.50	D	03		Drill f/ 4551' - 4646'. 95 ft. 63.3 ft/hr. Erratic penetration.
	05:30 - 06:00	0.50	D	05		ACC connection time
	06:00 - 06:30	0.50	D	05		Acc. connection time
	06:30 - 12:00	5.50	D	03		Drill 12 1/4" hole f/ 4646' - 4902'
	12:00 - 12:15	0.25	D	18		Safety meeeting Week end awarness
	12:15 - 17:45	5.50	D	03		Drill f/ 4902' - 5064' 162 ft. 29.4 ft/hr
	17:45 - 18:00	0.25	D	05		Acc. connection time
	18:00 - 20:15	2.25	D	03		Drill f/ 5064' - 5107' 64 ft. 19 ft/hr
	20:15 - 20:30	0.25	D	06		Rig service
	20:30 - 20:45	0.25	D	06		Survey
	20:45 - 23:45	3.00	D	03		Drill f/ 5107' - 5195' 88 ft. 29.3 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (House etiquette)
	00:15 - 04:00	3.75	D	03		Drill f/ 5195' - 5238'. 43 ft. 11.5 ft/hr. Mud up @ 5201 ft.
3/2/2009	04:00 - 04:45	0.75	D	08		Circ Heavy LCM up.
	04:45 - 05:00	0.25	D	04		Pull 3 stands. Flow check 10 min.
	05:00 - 05:15	0.25	D	08		Pump slug in pipe. LCM pill spotted @ 2000 ft.
	05:15 - 06:00	0.75	D	04		POOH. for PDC.
	06:00 - 09:30	3.50	D	04		Cont. POH f/ 3553' Flow ck 2431', 711' Well taking 12 bph
	09:30 - 10:30	1.00	D	04		Recover MWD probe Cont. POH Remove and inspect bit Had 32 cracked & damaged cutters Bit 1/8" undergauge
	10:30 - 11:30	1.00	DT	54		Attempt to install wear bushing Unable to get below annular element
	11:30 - 13:30	2.00	DT	61		Make up bit # 2 PDC DSX70A12HF Unable to get MWD probe to seat in HBHO sub After numerous attempts at seating MWD, changed out UBHO sub ! !
	13:30 - 16:45	3.25	D	04		RIH, Ream last 5 stand to bottom. F/ 4831' - 5238'.
	16:45 - 17:00	0.25	D	05		Survey @ 5177' Inc 0.9 Azm 209.8
	17:00 - 18:00	1.00	D	03		Drill f/ 5238' - 5265' 27 ft. 27 ft/hr
	18:00 - 18:15	0.25	D	06		Rig service
	18:15 - 23:45	5.50	D	03		Drill f/ 5265' - 5362' 97 ft. 17.6 ft/hr
	23:45 - 00:00	0.25	D	05		Acc connection time
3/3/2009	00:00 - 00:15	0.25	D	18		Safety meeting. (Pulling slips)
	00:15 - 02:00	1.75	D	03		Drill f/ 5362' - 5384'. 22 ft 12.5 ft/hr
	02:00 - 02:15	0.25	D	06		Rig service. Function annular 23 sec. Lower pipe rams 7 sec.
	02:15 - 06:00	3.75	D	03		Drill f/ 5384' - 5419' 35 ft. 9.3 ft/hr
	06:00 - 12:00	6.00	D	03		Drill 12 1/4" hole f/ 5419' - 5456'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping dp
	12:15 - 13:00	0.75	D	03		Drill f/ 5456' - 5462' Casg. Pt.
	13:00 - 13:45	0.75	D	08		Circ. btms. up

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
End: 4/5/2009
Start: 1/7/2009
Rig Release: 4/4/2009
Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/3/2009	13:45 - 14:00	0.25	D	05		Deviation survey @5404'
	14:00 - 15:45	1.75	D	04		Make 10 std. wiper trip up to 4737' Flow ck. Well taking 6 bph
	15:45 - 17:30	1.75	D	08		Circ. btms. up 2X
	17:30 - 20:15	2.75	D	04		Flow Ck. 5462', 5005'. 2432' Pump trip pill POH
	20:15 - 20:30	0.25	D	18		BOP Drill while tripping
	20:30 - 21:30	1.00	D	04		POOH to run csg. Flow Ck. 2432'
	21:30 - 23:00	1.50	D	04		Lay down 9.5" DC, TBR, Monel & Mud motor
	23:00 - 23:15	0.25	D	06		Rig service
	23:15 - 00:00	0.75	D	12		Clear floor & rig in Csg crew. Hole fill diff 25.34 bbls +.
	00:00 - 00:30	0.50	D	12		Clear floor & rig in Csg crew.
	00:30 - 00:45	0.25	D	18		Safety meeting. (Running Csg)
	00:45 - 01:00	0.25	D	06		Rig service
	01:00 - 02:30	1.50	D	12		Continue to rig in csg crew
	02:30 - 02:45	0.25	D	18		Safety meeting picking up csg
3/4/2009	02:45 - 06:00	3.25	D	12		Make up Float shoe & float collar, run 122 jt 9 5/8" # 40 N-80, LT&C. Make up torque 7370 ft/lbs make up torque. RIH @ 812'
	06:00 - 10:00	4.00	D	12		Cont. running 9 5/8 csg. f/ 244' - 3838' No returns f/ 2808' - 3838' Fill csg. and brk. circ. every 20 jts.
	10:00 - 11:30	1.50	DT	57		Build 600 bbls. vol. Viscosity 44 Wt. 8.9 ppg with 8 ppb lcm
	11:30 - 14:45	3.25	D	12		Start pumping, got partial returns after pumping 11 bbls. Csg. cap. 291 bbls. Losses decreased considerably once lcm started coming up the annulus Cont. washing csg. to btm. @ 5462' Had 25' hard fill on btm.
	14:45 - 16:00	1.25	D	08		Circ. cond. mud and hole No mud losses last 2 hrs.
	16:00 - 16:30	0.50	D	12		Lay down 2 jts. csg. used to tag btm. Make up landing jt. Ran 117 jts. 9 5/8 N80 40# LT&C csg. Length with float equip., csg. hanger & landing jt. 5454.51'
	16:30 - 19:45	3.25	D	08		Cont. circ. while rigging in Schlumberger
	19:45 - 20:00	0.25	D	14		Safety meeting with cementers
	20:00 - 00:30	4.50	D	14		Preflush ahead 20 bbls Fresh water, 20 bbls S1 solution, stop clean lines, 30 bbl spacer fresh water, 20 bbls zone lock, stop clean lines, 30 bbls fresh water, Cement w/ 975 sk "G" High Lift 11 ppg, 682 bbl slurry Lead, 210 sks (10:0RFC)G+ 14.2 ppg, 59 bbl slurry. Mix CemNET conversion in first 100 bbls, next 100 bbls with out, next 100 bbls with, alternating every 100 bbls to end of Lead. Mix in CemNET in tail cement. CemNET mix @ 1 lb/ bbl. Displace w/ 20 bbls water & 389 bbls 8.7 ppg 44 vis mud. Plug down 00:30 hrs 03/04/2009. Float held. Preflush water returns. Fluid dropped in annulus after stopped pumping.
	00:30 - 01:00	0.50	D	14		Rig out cementers.
3/5/2009	01:00 - 01:15	0.25	D	06		Rig service
	01:15 - 06:00	4.75	DT	52		Wait on cement for tempure log.
	06:00 - 11:00	5.00	D	52		Wait on cmt.
	11:00 - 13:15	2.25	DT	52		Rig in Cased Hole Solutions Hold safety meeting Run temperature log to 3000' Cmt. top located at 760' Dennis Ingram (DNR) on loc. to verify cmt. top
	13:15 - 13:30	0.25	DT	52		Safety meeting (Logging)
	13:30 - 18:00	4.50	D	10		Install packoff bushing Inject stick packing Press. test packoff to 6000 psi Install wear bushing
	18:00 - 19:00	1.00	D	09		Press. test csg. to 300 psi low & 1500 psi high 10 min. duration
	19:00 - 21:00	2.00	D	04		Make up BHA # 3.
	21:00 - 00:30	3.50	D	04		RIH w/ PDC # 3. Pluse test survey tools @ 851 ft. RIH. Fill pipe @ 2852 ft. RIH to 5376 ft.
	00:30 - 00:45	0.25	D	18		Safety meeting. BOP drill, well secure 92 sec.
	00:45 - 01:00	0.25	D	06		Rig service

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Operations Summary Report

Legal Well Name: BOURNAKIS 3-18B4

Common Well Name: BOURNAKIS 3-18B4

Event Name: DRILLING

Contractor Name: PRECISION

Rig Name: PRECISION

Start: 1/7/2009

Rig Release: 4/4/2009

Rig Number: 426

Spud Date: 1/8/2009

End: 4/5/2009

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/5/2009	01:00 - 01:45	0.75	D	06		Slip Cut line
	01:45 - 02:45	1.00	D	13		Drill out. Tag cement @ 5395'. Drill out Float collar @ 5414' & Float shoe @ 5450'
	02:45 - 03:15	0.50	D	08		Circ hole clean.
	03:15 - 03:30	0.25	D	18		FIT @ 5450 ft press to 1118 psi Mud wt. 12.84 ppg. Formation gradient 0.66 psi/ft.
	03:30 - 04:15	0.75	D	03		Drill f/ 5462'-5467.5'
	04:15 - 05:15	1.00	DT	59		Stuck in hole @ PDC. On bottom. Work pipe no movement. Pull to 226000 lbs, pipe free. Pull up into csg work pipe in csg. no drag. Pump press high, dropped back to normal.
3/6/2009	05:15 - 05:45	0.50	D	03		Drill f/ 5467.5' to 5479'
	05:45 - 06:00	0.25	D	05		Work pipe make connection
	06:00 - 08:30	2.50	D	03		Drill 8 3/4" hole f/ 5479' - 5540'
	08:30 - 09:15	0.75	D	05		Work tight hole and connection time
	09:15 - 13:15	4.00	D	03		Drill f/ 5540' - 5633' 93 ft 23.25 ft/hr
	13:15 - 13:45	0.50	D	05		Connection and survey time
	13:45 - 17:15	3.50	D	03		Drill f/ 5633' - 5725' 92 ft. 26.28 ft/hr
	17:15 - 17:45	0.50	D	05		Acc. connection and survey time No response from SDT tool
	17:45 - 22:00	4.25	D	03		Drill f/ 5725' - 5817' 92 ft. 21.64 ft/hr
	22:00 - 22:30	0.50	D	05		Work tight hole. Acc connection time.
	22:30 - 03:45	5.25	D	03		Drill f/ 5817'-5909' 90 ft. 17 ft/hr. Pason conection units 326
	03:45 - 04:15	0.50	D	05		Acc connection time
	04:15 - 06:00	1.75	D	03		Drill f/ 5909'-5926' 17 ft. 9.7 ft/hr
	06:00 - 12:00	6.00	D	03		Drill 8 3/4" hole f/ 5926' - 6002'
3/7/2009	12:00 - 12:15	0.25	D	18		Safety meeting Tripping dp
	12:15 - 12:30	0.25	D	06		Rig Ser. Function annular preventor c / o 18 sec's
	12:30 - 12:45	0.25	DT	64		Attempt to run survey Missrun
	12:45 - 13:00	0.25	D	18		Acc. connection time
	13:00 - 13:45	0.75	D	03		Drill f/ 6002' - 6017' Have lost 900 - 1000psi since early morning CK both pumps & surface equip. Everything checks out Ok
	13:45 - 18:00	4.25	DT	62		POH wet looking for wash out Flow ck'd at 5816', 3461', 890' & OOH Well static
	18:00 - 20:00	2.00	DT	62		Change out Motor, PDC & Survey tool.
	20:00 - 22:00	2.00	DT	62		RIH w/ motor, Monel collar, two stands of DP. Kelly up & fill pipe. Press up to 525 psi. POOH check float in motor, was installed properly. RIH w/ motor, Monel one stand of DP. P Press up to 3000 psi. Bleed off. POOH. Install tongs & attempt to turn stadder. Unable. Change out survey to paluse tool.
	22:00 - 00:00	2.00	DT	62		Wait for mud motor.
	00:00 - 01:30	1.50	DT	62		Make up new mud motor, RIH w/ motor, monel collar & one stand DP. Paluse test survey tool & motor rotation. POOH & stand back stand.
	01:30 - 02:00	0.50	DT	62		Finish making up BHA.
	02:00 - 06:00	4.00	DT	62		RIH. Fill pipe @ 917 ft, 4039 ft. Had full return while running to 4039ft. Start RIH 4415 had no returns. RIH to 5550 ft Fill pipe & survey. Full returns RIH. Wash last two stands to bottom.
						Press. test mud manifold valves to 1000 psi Tested Ok
3/8/2009	06:00 - 06:30	0.50	D	09		Drill 8 3/4" hole f/ 6017' - 6168'
	06:30 - 11:45	5.25	D	03		Acc. connection time
	11:45 - 12:00	0.25	D	18		Safety meeting Week End Awareness
	12:00 - 12:15	0.25	D	18		Drill f/ 6168' - 6278'
	12:15 - 14:30	2.25	D	03		Rig Ser. Function lower pipe rams c / o 5 sec's
	14:30 - 14:45	0.25	D	06		Survey @6221'
	14:45 - 15:00	0.25	D	05		Acc. connection time
	15:00 - 15:30	0.50	D	18		



EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426

Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/8/2009	15:30 - 21:30	6.00	D	03		Drill f/ 6278' - 6646' 368 ft. 61.3 ft/hr. Pumping 10 bbl. Hi Vis every 1000' and 10 bbl. cal. carb. sweep every 180' No noticeable down hole losses
	21:30 - 21:45	0.25	D	06		Rig service. Function upper & lower pipe rams 7 sec.
	21:45 - 23:30	1.75	D	03		Drill f/ 6646'-6743'. 97 ft. 55.4 ft/hr.
	23:30 - 00:00	0.50	D	05		Connection & survey time.
	00:00 - 00:15	0.25	D	18		Safety meeting (Rotary Table)
	00:15 - 04:45	4.50	D	03		Drill f/ 6743'-6926' 183 ft. 40.66 ft/hr
	04:45 - 05:00	0.25	D	06		Rig service. Function annular 23 sec.
	05:00 - 05:30	0.50	D	05		Connection time & survey time.
	05:30 - 06:00	0.50	D	03		Drill f/ 6926' - 6958' 30ft.60 ft/hr
	06:00 - 11:15	5.25	D	03		Drill 8 3/4" hole f/ 6958' - 7350'
3/9/2009	11:15 - 12:00	0.75	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Loader operation
	12:15 - 14:30	2.25	D	03		Drill f/ 7350' - 7482'
	14:30 - 14:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 5 sec's
	14:45 - 15:00	0.25	D	05		Survey @7412'
	15:00 - 17:30	2.50	D	03		Drill f/ 7482' - 7630' Pumping 10 bbl. Hi Vis sweep every 1000' and 10 bbl. Cal. Carb. sweep every 180' Very minor down hole losses
	17:30 - 18:00	0.50	D	05		Connection time
	18:00 - 21:00	3.00	D	03		Drill f/ 7630'-7760' 130 ft. 43.33 ft/min
	21:00 - 21:15	0.25	D	06		Rig service. Function annular 23 sec.
	21:15 - 23:45	2.50	D	03		Drill f/ 7760'-7820'. 60 ft. 24 ft/hr.
3/10/2009	23:45 - 00:00	0.25	D	05		Connection time
	00:00 - 00:15	0.25	D	18		Safety meeting (lockouts)
	00:15 - 04:00	3.75	D	03		Drill f/ 7820'-7945' 125 ft. 33.33 ft/hr. Pumping 10 bbl. Hi Vis sweep every 1000' and 10 bbl. Cal. Carb. sweep every 180' Very minor down hole losses
	04:00 - 04:15	0.25	D	06		Rig service. Function upper & lower pipe rams. 7 sec.
	04:15 - 05:45	1.50	D	03		Drill f/ 7945'-8010' 65 ft. 43.3 ft/hr Back ground gas 380 units.
	05:45 - 06:00	0.25	D	05		Connection gas 1028 units
	06:00 - 06:15	0.25	D	05		Connection time & survey.
	06:15 - 12:00	5.75	D	03		Survey @7888'
	12:00 - 12:15	0.25	D	18		Drill 8 3/4" hole f/ 8010' - 8137'
	12:15 - 17:30	5.25	D	03		Safety Meeting Rolling casg.
3/11/2009	17:30 - 17:45	0.25	D	06		Drill f/ 8137' - 8226'
	17:45 - 18:00	0.25	D	05		Lubricate rig. Function upper/lower pipe rams / 8 seconds/ annular 18 seconds
	18:00 - 21:00	3.00	D	03		Deviation survey / connection time
	21:00 - 21:15	0.25	D	08		Drill actual f/ 8226' - 8246' . Lost 400# of pump pressure.
	21:15 - 00:00	2.75	D	04		Circulate bottoms up. Check surface equipment.
	00:00 - 00:15	0.25	D	18		POOH. FC @ 7847'. Drain kelly
	00:15 - 02:00	1.75	D	04		Safety meeting (Tripping pipe)
	02:00 - 05:00	3.00	D	04		TOH
	05:00 - 06:00	1.00	D	04		Lay down mud motor, break off bit, and lay down torque buster. Pick up new motor. Check MWD. Make up BHA. Pump through kill line with both pumps. TIH with monel and motor and pump through. Check MWD. TOH Make up bit.
	06:00 - 06:15	0.25	D	06		TIH
3/11/2009	06:15 - 09:15	3.00	D	04		Rig Ser. Function upper pipe rams c / o 6 sec's
	09:15 - 10:00	0.75	D	07		Cont. RIH f/ 706' - 8037' Fill Dp at 1109' & 4426'
	10:00 - 12:00	2.00	D	03		Wash f/ 8037' - btm. at 8246' Had 5' fill on btm.
	12:00 - 12:15	0.25	D	18		Drill 8 3/4" hole f/ 8246' - 8285'
						Safety meeting Winter conditions

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
End: 4/5/2009
Start: 1/7/2009
Rig Release: 4/4/2009
Group:
Rig Number: 426

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/11/2009	12:15 - 15:15	3.00	D	03		Drill f/ 8285' - 8410'
	15:15 - 15:30	0.25	D	06		Lubricate rig. Function upper/lower pipe rams 8 seconds. Annular 18 seconds
	15:30 - 15:45	0.25	D	05		Deviation survey / accumulated connection time.
	15:45 - 18:00	2.25	D	03		Drill f/ 8410' - 8495'.
	18:00 - 00:00	6.00	D	03		Drill f/ 8495'-8693'
	00:00 - 00:15	0.25	D	18		Safety meeting (Steam)
	00:15 - 02:30	2.25	D	03		Drill f/ 8693'- 8785'
	02:30 - 02:45	0.25	D	06		Lubricate rig. Function upper/lower. 7 seconds C/O
	02:45 - 05:30	2.75	D	03		Drill f/ 8785' - 8915'
	05:30 - 06:00	0.50	D	05		Survey. Accumulated connection time.
3/12/2009	06:00 - 06:15	0.25	D	05		Deviation survey @8727'
	06:15 - 06:30	0.25	D	18		Acc. connection time
	06:30 - 12:00	5.50	D	03		Drill 8 3/4" hole f/ 8915' - 9260'
	12:00 - 12:15	0.25	D	18		Safety Meeting Mixing chemicals
	12:15 - 13:30	1.25	D	03		Drill f/ 9260' - 9353'
	13:30 - 13:45	0.25	D	06		Rig Ser. Function upper pipe rams c / o 8 sec's
	13:45 - 14:00	0.25	D	05		Deviation Survey @ 9294'
	14:00 - 14:45	0.75	D	18		Acc. connection time
	14:45 - 17:00	2.25	D	03		Drill f/ 9353' - 9550' Fair amount of oil coming out of hole
	17:00 - 18:00	1.00	D	05		Deviation time and accumulated connection time.
	18:00 - 23:45	5.75	D	03		Drill f/ 9550' - 9750'
	23:45 - 00:00	0.25	D	18		Accumulated connection time
	00:00 - 00:15	0.25	D	18		Safety Meeting (Long change)
	00:15 - 01:00	0.75	D	03		Drill f/ 9750' - 9792'
3/13/2009	01:00 - 01:15	0.25	D	06		Lubricate rig
	01:15 - 05:30	4.25	D	03		Drill f/ 9792' - 9970' Same amount of oil content over shaker.
	05:30 - 06:00	0.50	D	18		Survey and accumulated connection time.
	06:00 - 11:45	5.75	D	03		Drill 8 3/4" hole f/ 9970' - 10137' Displace hole to drlg. mud at @ 10000'
	11:45 - 12:00	0.25	D	18		Acc. connection time
	12:00 - 12:15	0.25	D	18		Safety meeting Washing out boiler
	12:15 - 16:00	3.75	D	03		Drill f/ 10137' - 10265'
	16:00 - 16:15	0.25	D	06		Rig Ser. Function annular preventor c / o 15 sec's
	16:15 - 17:30	1.25	D	03		Drill f/ 10265' - 10,327'
	17:30 - 18:30	1.00	D	05		Deviation and accumulated connection time.
	18:30 - 00:00	5.50	D	03		Drill f/ 10,327' - 10,544'. Slowed RPM's on bit through hard sections from 10,500 - 10,700.
	00:00 - 00:15	0.25	D	06		Lubricate rig. Function upper / lower pipe rams 8 seconds / annular 18 seconds.
	00:15 - 04:30	4.25	D	03		Drill f/ 10,544' - 10,733 Background gas increased to 2500 units @ 10,580 w/ a peak of 3300 units. 9.0# / Gallon mud. 43 visc. Started raising mud wt. to 9.3# /gallon @ 10,625'.
	04:30 - 04:45	0.25	D	06		Lubricate rig. Function upper/Lower pipe rams 8 seconds. Annular 18 seconds.
3/14/2009	04:45 - 05:30	0.75	D	05		Deviation survey. Accumulated connection time.
	05:30 - 06:00	0.50	D	03		Drill f/ 10,733 - 10,790'
	06:00 - 08:15	2.25	D	03		Drill 8 3/4" hole f/ 10790' - 10886'
	08:15 - 15:45	7.50	DT	57		Lost complete returns Did not encounter any drilling brks. or abnormal torque Remove dp screen and screens from suction and discharge on mud pumps Start pumping down dp at 40 spm mixing assortment of lcm Lost 531 bbls. drlg. mud before regaining partial returns Cont.

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/14/2009	08:15 - 15:45	7.50	DT	57		circulating by passing shale shakers (shorten up mud system, using sand trap and troughing back to tank #4) From 1130 hrs. to 1215 hrs. Losses appeared to be nearly healed when all circ. was lost again Cont. pumping at reduced rate mixing, lcm directly into pill tank Regained partial returns after pumping 115 bbls. Keep pumping and mixing lcm as fast as possible Losses gradually slowing down
	15:45 - 16:00	0.25	DT	57		Run back to btm. Previously pulled 2 jts. dp to recover dp screen
	16:00 - 19:30	3.50	D	03		Drill f/ 10886' - 11,000' Continually adding lcm By passing shakers Have lazy 2' flare With 9.6ppg mud, BGG staying around 2800 - 2900 units
	19:30 - 23:30	4.00	DT	57		Circulate and condition mud. BGG @ 2200. Adding LCM and Calcarb. Raising mud wt to lower BGG to 500 units or less. Raising viscosity to 48. Working pipe regularly. Losing 60 - 70 Bbls./Hr. 47 Visc. , 9.8+ Wt. , and 26% LCM.
	23:30 - 01:30	2.00	DT	57		Pull 10 stands, Observe well for losses or gains. Mix LCM pill (40 BBls., 4 sx AES Bridge medium, 10 sx. sawdust, 8 sx. magmafiber, 5 sx. cedar fiber, 4 sx. hog hair, and 5 sx. cottonseed hulls.) Well static. Hole stayed full. No loss.
	01:30 - 02:30	1.00	DT	57		Install rotating head. TIH.
	02:30 - 03:00	0.50	DT	57		Pump LCM pill and displace.
	03:00 - 03:45	0.75	DT	57		Pull 10 stands of drill pipe.
	03:45 - 04:45	1.00	DT	57		Observe well for gains or losses. Wait on LCM pill.
	04:45 - 05:45	1.00	DT	57		TIH
	05:45 - 06:00	0.25	DT	57		Circulate and condition mud. Mix LCM and raise mud wt. to 10.0.
	06:00 - 10:00	4.00	DT	57		Circ. cond. mud and hole Still have minor losses Spot 40 bbl. Hi Vis lcm pill in annulus
	10:00 - 12:00	2.00	DT	57		POH f/ 11000' - 8172' Flow ck. at 10951', 8172' Well taking 12 bph Had slight tight spot at 9431'
	12:00 - 12:15	0.25	DT	57		Safety meeting Setting crown saver
3/15/2009	12:15 - 14:30	2.25	DT	57		Cont. POH f/ 8172' - Casg. shoe at 5450' Slight tight spot at 5963'
	14:30 - 14:45	0.25	DT	57		Rig Ser. Function lower pipe rams c / o 5 sec's
	14:45 - 17:45	3.00	DT	57		RIH Fill dp at 8164'
	17:45 - 22:45	5.00	DT	57		Wash last 200' to bottom. Bridge @ 10,890'. Took 30,000# to get through bridge. Losing mud on bottom. Lost app. 167 Bbls of mud for 1st hour after getting on bottom. Losses down to 50 Bbls/Hr. for short time, then back to 120 Bbls. / Hr. Mix LCM pill (40 BBls., 4 sx AES Bridge medium, 10 sx. sawdust, 8 sx. magmafiber, 5 sx. cedar fiber, 4 sx. hog hair, and 5 sx. cottonseed hulls.) and displace.
	22:45 - 03:00	4.25	DT	57		Pull pipe to 9000'. Observe well for gains or losses. Hole stayed full. No losses
	03:00 - 04:30	1.50	DT	57		Break circulation @ 9000'. TIH.
	04:30 - 06:00	1.50	DT	57		Wash last 200' to bottom. Break circulation. Losing mud at a rate of 120 Bbls/Hr. for first 45 minutes, no losses after that.
	06:00 - 07:30	1.50	DT	57		Cont. circulating, continually adding lcm to mud system When first back on btm. after making wiper trip, there were no losses for first 45 mins. then slowly started seeping away Lost 59 bbls. in 30 min. Spotted 40 bbl. hi vis lcm pill in annulus BGG 876 units
	07:30 - 12:00	4.50	DT	57		POH Flow ck. 10920' Hole taking 15 bph Pull up to 9911' Remove rotating head element Pump trip pill Cont. POH Flow ck. at 5465', 761' Hole taking 9 bph
	12:00 - 12:15	0.25	DT	57		Safety meeting Tripping out of hole
	12:15 - 15:00	2.75	DT	57		Layed down drig. jars, 2 TBR's, monel dc & mud motor Function blind rams c / o 5 sec's
3/16/2009						

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/16/2009	15:00 - 18:00	3.00	DT	57		Rig up and run 26 jts. 2 7/8" fibre glass tubing (759.72')
	18:00 - 20:30	2.50	DT	57		TIH to shoe
	20:30 - 21:00	0.50	DT	57		Cut and slip drilling line.
	21:00 - 21:15	0.25	DT	57		Lubricate rig. Function upper/lower pipe rams. 8 seconds/annular 18 seconds
	21:15 - 00:00	2.75	DT	57		TIH
	00:00 - 00:15	0.25	DT	57		Safety Meeting on cementing.
	00:15 - 01:00	0.75	DT	57		TIH to 10,889'
	01:00 - 03:45	2.75	DT	57		Break circulation to be sure that pipe was open. Wait on Schlumberger. RU Schlumberger. PJSM. Pressure test lines to 3000#.
	03:45 - 04:45	1.00	DT	57		Spot balanced plug. Pumped 25 Bbls. of Mudpush II, 69 Bbls (168 sx.) of 12.5# cement. 8 Bbls. of Mudpush II, and displaced with 157.5 Bbls. of 10.2# / gallon clean mud (No LCM). Bled off drill pipe. Flowed back approximately 6 Bbls.
	04:45 - 06:00	1.25	DT	57		TOH with drill pipe.
3/17/2009	06:00 - 08:30	2.50	DT	57		Circ. btms. up Insure dp & annulus is free of any cmt. contamination
	08:30 - 08:45	0.25	DT	57		No sign of cmt. to surface Lost 54 bbls. drlg. mud while circ.
	08:45 - 12:00	3.25	DT	57		Rig Ser. Function annular preventor c / o 15 sec's
	12:00 - 12:15	0.25	DT	57		Remove rotating head element POH w/ cmt. string Flow ck'd at 9288', 5813', 759' Well started taking 9 bph, decreasing to 4 bph at last flow ck. at 759'
	12:15 - 15:30	3.25	DT	57		Safety meeting Review JSA #1234 Tripping in & out
	15:30 - 18:45	3.25	DT	57		Lay down 26 jts. 2 7/8" fiber glass tubing Function blind rams c / o 5 sec's
	18:45 - 19:45	1.00	DT	57		Make up RR #5 RIH with drlg. assembly
	19:45 - 01:30	5.75	DT	57		Break circulation and circulate bottoms up.
	01:30 - 01:45	0.25	DT			TIH. Took wt. @ 9345. Wash through. Took no wt. washing. Cement stringers from 9800'-10,528'. Drilling cement from 10,528'-10,885'. (357' * .0744 Bbls/ft = 26.56 Bbls of cement in open hole) Wash from 10,885' - 11,000' No losses.
	01:45 - 03:00	1.25	D	57		Lubricate rig. Function upper and lower pipe rams. 8 seconds / annular 18 seconds
3/18/2009	03:00 - 06:00	3.00	D	57		Circulate and condition mud.
	06:00 - 10:30	4.50	D	08		Short trip to 9000'. Flow checks @ 11,000' and 9000'.
	10:30 - 12:00	1.50	D	04		Circ. cond. mud & hole Well static
	12:00 - 12:15	0.25	D	18		Pull rotating head rubber Pump trip pill POH laying down dp Flow ck. 10986' Well static
	12:15 - 02:30	14.25	D	04		Safety meeting JSA#34 Laying down dp
	02:30 - 06:00	3.50	D	11		Cont. laying down dp and BHA f/ 10470' - 0 Flow ck. 7000', 4500', 654'
	06:00 - 11:30	5.50	D	11		Pull wear bushing. Rig up Halliburton Logging. PJSM with Halliburton and rig crew. TIH with Logs.
	11:30 - 12:00	0.50	D	12		Cont. running log # 1 with Halliburton Loggers TD@ 11006' Ran GR - DSN - SDL - ACRT - IDT - WSTT Well static
	12:00 - 12:15	0.25	D	18		Rig in Kimzey Casg. Ser. Hold safety meeting
	12:15 - 14:00	1.75	D	12		Safety meeting Review JSA# 13 Running casg.
3/19/2009	14:00 - 22:00	8.00	D	12		Cont. rigging in power tongs, stabbing brd. etc.
	22:00 - 22:45	0.75	D	08		Run 7" intermediate casg. Hole displacing normally.
	22:45 - 02:15	3.50	D	12		Break circulation at casing shoe.
	02:15 - 02:45	0.50	D	08		Run 7" intermediate casg. Hole displacing normally.
	02:45 - 06:00	3.25	D	12		Break circulation @ 8200'. Broke circulation with 55 SPM. Full returns for first 15 minutes. Flow started dropping of to "0".
						Run 7" intermediate casing. Hole not displacing from 8200'- 9300'. Partial

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Spud Date: 1/8/2009
End: 4/5/2009
Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/19/2009	02:45 - 06:00	3.25	D	12		displacement from 9300'. Displacement getting progressively better as we run more pipe.
3/20/2009	06:00 - 10:00	4.00	D	12		Ran 248 jts. 7" HCP-110 LT&C casg. Lenght with float equip., casg. hanger & landing jt. 10996.27' Washed last 3 jts. to btm. Had 8' fill on btm. Cont. circ. while rigging out Kimzey casg. running equip.
	10:00 - 11:15	1.25	D	12		Lay down 2 jts. casg. that were used to wash to and tag btm. Make up casg. hanger and landing jt.
	11:15 - 12:00	0.75	D	08		Circ. casg. Build volume & add lcm to mud system
	12:00 - 12:15	0.25	D	18		Safety meeting Cmt'g casg.
	12:15 - 12:30	0.25	D	12		Rig out fill up tool Install cmt'g head
	12:30 - 13:30	1.00	D	08		Circ. casg.
	13:30 - 13:45	0.25	D	06		Rig Ser.
	13:45 - 19:00	5.25	D	08		Cont. circ. building vol. & add lcm to mud system Have lost 649 bbls. drlg. mud while running, washing to btm. & circulating casg. Losses gradually decreasing to very minor
	19:00 - 19:30	0.50	D	14		Safety meeting with Schlumberger
	19:30 - 23:00	3.50	D			Cement with 20 Bbls. of 11.0#/Gallon MUDPUSH II, Lead 186.4 Bbls. (352 sx.) of 11.5#/Gallon "G" highlift cement (yield 2.98ft ^3/sk-water = 18.2 Gallons/sk.) Good returns. Cemnet 2#/Bbl. throughout. Tail 76 Bbls (186 sx.) of Poz "G" Tail (yield 2.3 ft ^3/sk. Mix water = 12.51 Gal./sk.) Cemnet 2#/gallon throughout. Checked density w/ mudbalance 12.5 ppg. Good returns. Dropped the plug on the fly. Pumped 20 Bbls. of water and 386.5 bbls. of mud for displacement. Bumped plug @ 406.5 bbls. w/ 1575 psi. Good returns throughout job. Held pressure on plug for 10 minutes. Float held. Released pressure. Flowed back 1 bbl. Annulus stayed full. Reciprocated pipe 15'-20' all but last 20 Bbls. of displacement. Hole became sticky. Landed casing.
	23:00 - 03:30	4.50	D			Lay down landing joint. Install packoff assembly. Pressure test head.
	03:30 - 06:00	2.50	D			Change pipe rams. RU Weatherford for pressure test. P. test choke manifold valves 300/10,000 psi
3/21/2009	06:00 - 12:00	6.00	D	09		press. test casg. to 300 psi low & 2500 psi high 30 min. duration on high test Install test plug Press. test upper & lower pipe rams, both inner and outer choke & kill line valves, choke line & all choke manifold valves Annular preventor to 300 psi low and 3800 psi high Press. tested upper & lower kelly cocks, stabbing valve & inside bop Mud line and mud manifold valves to 300 psi low & 5000 psi high All rams to 300 psi low & 10000 psi high 10 min. duration Acc. ck. Do 4 function test with accumulator shut off Final acc. press. 1480 psi Recharge to 3000 psi in 2 min. 30 sec's
	12:00 - 12:15	0.25	D	18		Safety meeting Review JSA #7-9 Picking up BHA & dp
	12:15 - 13:00	0.75	D	09		Finish testing Bop
	13:00 - 13:15	0.25	D	06		Rig Ser. Function annular preventor c / o 16 sec's
	13:15 - 13:45	0.50	D	06		Change grabber dies & stabbing guide
	13:45 - 16:45	3.00	D	04		Make up 6 1/8" Ulterra MT1355CDS pdc bit & 4 3/4" National mud motor 7/8 lobe 3.7 stage .35 revs/ gal Install SMT survey tool
	16:45 - 17:45	1.00	D	04		RIH to 845' Function survey tool OK Cont. running in hole picking up 3 1/2" dp
	17:45 - 21:15	3.50	D	04		TIH from 845'-5515'. Fill pipe
	21:15 - 22:00	0.75	D	05		Deviation survey. check tools.
	22:00 - 00:00	2.00	D	04		TIH to 8534'
	00:00 - 00:15	0.25	D	18		Safety Meeting. Picking up drill pipe.
	00:15 - 01:45	1.50	D	04		TIH with 3 1/2" drill pipe from 8534' to 10921. Tagged cement at 10921'.
	01:45 - 03:00	1.25	D	18		Drilling cement, Float collar, and shoe.

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Operations Summary Report

Legal Well Name: BOURNAKIS 3-18B4

Common Well Name: BOURNAKIS 3-18B4

Event Name: DRILLING

Contractor Name: PRECISION

Rig Name: PRECISION

Start: 1/7/2009

Rig Release: 4/4/2009

Rig Number: 426

Spud Date: 1/8/2009

End: 4/5/2009

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2009	03:00 - 03:45	0.75	D	03		Drilling from 11006'-11014'
	03:45 - 04:00	0.25	D	18		Install rotating head rubber.
	04:00 - 04:45	0.75	D	08		Circulate bottoms up for F.I.T. 10.1 Mud Wt. 1500# added pressure. .66 pressure gradient.
3/22/2009	04:45 - 05:30	0.75	D	18		Perform F.I.T.
	05:30 - 06:00	0.50	D			Drilling from 11014' to 11025'
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole from 11,022' to 11,084'. MW 10.1 ppg Background gas 60u with 220u max. 165 gpm until stabelizers out of casing, then increase to 180 gpm. 11k to 15k WOB. 35 rpm.
	12:00 - 12:15	0.25	D	18		Safety meeting (loading tubulars on trucks).
	12:15 - 13:00	0.75	D	03		Drill 6 1/8" hole from 11,084' to 11,091'. MW 10.1 ppg Background gas 60u with 75u max. 180 gpm. 11k to 15k WOB. 35 rpm.
	13:00 - 13:15	0.25	D	06		Lubricate rig. Annular 16 sec to close. UPR and LPR 5 sec to close.
	13:15 - 18:00	4.75	D	03		Drill 6 1/8" hole from 11,091' to 11,138'. MW 10.1 ppg Background gas 60u with 75u max. 180 gpm. 11k to 15k WOB. 35 rpm.
	18:00 - 22:00	4.00	D	03		Drill 6 1/8" hole from 11,138' - 11,187'. Lost app 30 bbls of mud from 11,164' - 11,181'.
	22:00 - 23:00	1.00	D	05		Deviation survey. 4X mis-runs. Tool is pulsing down hole. Possible problems with surface equipment.
	23:00 - 00:00	1.00	D	03		Drill 6 1/8" hole from 11,187' - 11,197'. Full returns. BGG 65 Units.
3/23/2009	00:00 - 00:15	0.25	D	18		Safety meeting on operating man lift / rental equipment
	00:15 - 00:30	0.25	D	06		Lubricate rig. Function upper/lower pipe rams.
	00:30 - 05:45	5.25	D	03		Drill 6 1/8" hole from 11,197' -
	05:45 - 06:00	0.25	D	18		Accumulated connection time.
	06:00 - 07:15	1.25	D	05		Attempt to get directional survey from MWD. Tool note decoding properly due to low pulse.
	07:15 - 12:00	4.75	D	03		Drill 6 1/8" hole 11,281' to 11,318'. Peak show from drilling break @ 11,271' was 5500u. Back ground leveled off at 750u, increased mud weight from 10.1 to 10.3. Back ground fell to 200u. WOB 17k, rpm 35, 180 gpm.
	12:00 - 12:15	0.25	D	18		Safety Meeting(90' mouse hole) review JSA
	12:15 - 16:30	4.25	D	03		Drill 6 1/8" hole 11,318' to 11,374'. Back ground 250u, mud weight from 10.3. WOB 14k to 17k, rpm 35, 180 gpm. Peak after drilling break at 11,332' peaked at 2750u and stabelized at 1500u+. Start to increase MW to 10.5 ppg. Lost 50 bbl of mud at 11,346'. 10 bbl caco3 sweep and 1 gal of polyswell cured the losses.
	16:30 - 16:45	0.25	D	06		Lubricate rig. Annular 16 sec to close. UPR and LPR 6 sec to close.
	16:45 - 17:30	0.75	D	03		Drilling 6 1/8" hole from 11,374' - 11,388'
3/24/2009	17:30 - 17:45	0.25	D	18		Accumulated connection time.
	17:45 - 18:00	0.25	D	05		Deviation survey
	18:00 - 00:00	6.00	D	03		Drilling 6 1/8" hole from 11,388' - 11,445'. Lost approximately 35 Bbls from 11,393' - 11,404'. Connection gas @ 11,347' 5500 Units. BGG 2575 Units with a 10.5 Mud wt. Slowly raise mud wt.
	00:00 - 02:45	2.75	D			Drilling 6 1/8" hole from 11,445' - 14464'. Penetration slowed from 10'/hr. to 2'/Hr.
	02:45 - 03:15	0.50	D			Circulate bottoms up. BGG 180 Units.
	03:15 - 06:00	2.75	D			Flow check. Pull 5 stands. Pump trip pill.TFB #8.
	06:00 - 06:45	0.75	D	04		Trip out of hole from 7,100' to 6,698'.
	06:45 - 07:15	0.50	D	04		Flow check, pump dry job.
	07:15 - 09:30	2.25	D	04		Trip out of hole from 6,698' to 1,980'.
	09:30 - 10:15	0.75	D	18		Repair hydraulic hose on Top Drive.
3/24/2009	10:15 - 12:00	1.75	D	04		Trip out of hole from 1,980' to top of BHA at 908'.
	12:00 - 12:15	0.25	D	18		Safety meeting (Trip in and out) Review JSA.



EL PASO PRODUCTION

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Operations Summary Report

Legal Well Name: BOURNAKIS 3-18B4

Common Well Name: BOURNAKIS 3-18B4

Event Name: DRILLING

Contractor Name: PRECISION

Rig Name: PRECISION

Start: 1/7/2009

Rig Release: 4/4/2009

Rig Number: 426

Spud Date: 1/8/2009

End: 4/5/2009

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/24/2009	12:15 - 12:30	0.25	D	04		Change bit, clear floor, close blind rams 6 sec. cal fill 86.25 bbl. actual fill 80.64 bbl.
	12:30 - 13:00	0.50	D	05		Change out MWD.
	13:00 - 14:30	1.50	D	04		Trip in hole w/ BHA and one stand DP. @ 1107'. Test MWD mud pulse tool.
	14:30 - 14:45	0.25	D	06		Service rig, function annular, 16 sec to close. function UPR and LPR, 6 sec to close.
	14:45 - 18:30	3.75	D	04		Trip in hole from 1107' to 10887'. F.C.F.P. @ 6707', 10887'.
	18:30 - 18:45	0.25	D	04		Install rotating rubber
	18:45 - 19:30	0.75	D	06		Slip & Cut, fill hole.
	19:30 - 20:30	1.00	D	05		Survey @ 11343', 1.6 Inc 213.6 Azm. Acc. connection time
	20:30 - 21:15	0.75	D	04		RIH, Wash last 2 stands to bottom.
	21:15 - 00:00	2.75	D	03		Drill fr. 11464'-11488'. 24 ft. 8.7 ft/hr. Break in PDC with light weight.
	00:00 - 00:15	0.25	D	18		Safety meeting on slip & cut.
	00:15 - 06:00	5.75	D	03		Drill f/ 11488'-11561'. 73 ft. 12.69 ft/hr. Back ground gas 1250 units down to 120 units
3/25/2009	06:00 - 06:15	0.25	D	18		Accumulated connection time
	06:15 - 12:00	5.75	D	03		Drill 6 1/8" hole from 11,561 to 11,633' 180 gpm, 25 rpm, 14 to 15 wob vis 46 mw 10.7ppg. BG 220 to 65u.
	12:00 - 12:15	0.25	D	18		Safety Meeting (working on monkey board) Review JSA
	12:15 - 14:15	2.00	D	03		Drill 6 1/8" hole from 11,633' to 11,657'. 180 gpm, 25 rpm, 14 to 15 wob vis 46 mw 10.7ppg. BG 200 to 350.
	14:15 - 14:30	0.25	D	06		Lubricate rig. Function annular, 15 sec to close. Function UPR and LPR 6 sec to close.
	14:30 - 17:30	3.00	D	03		Drill 6 1/8" hole from 11,657 to 11,703'. 46 ft. 15.33 ft/hr. 210 gpm, 25 rpm, 14 to 15 wob vis 46/42 mw 10.7ppg. BG 200 to 6908 units.
	17:30 - 17:45	0.25	D	05		Acc connection time
	17:45 - 18:15	0.50	D	05		Survey @ 11680'. 1.6 Inc 222.7 Azm.
	18:15 - 00:00	5.75	D	03		Drill 6 1/8" hole f/ 11703'-11809'. 106 ft. 18.43 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 44 mw. 10.6 ppg. 1259 units back ground gas. Running 10 gpgm make up water.
	00:00 - 00:15	0.25	D	18		Safety meeting on house keeping
	00:15 - 02:15	2.00	D	03		Drill 6 1/8" hole f/ 11809'-11847'. 38 ft. 19 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 43 mw. 10.8 ppg. 1065 units back ground gas. Running 10 gpg make up water.
	02:15 - 02:30	0.25	D	06		Rig service function upper & lower pipe rams. 8 sec. annular 18 sec,
	02:30 - 02:45	0.25	D	05		Acc connection time
3/26/2009	02:45 - 06:00	3.25	D	03		Drill 6 1/8" hole f/ 11847'-11908'. 61 ft. 18.76 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.8 ppg. 1065 units back ground gas. Running 10 gpg make up water. Connection gas 4460 units. No burnable gas
	06:00 - 12:00	6.00	D	03		Drill 6 1/8" hole f/ 11908' to 12045'. 137 ft. 22.2 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.8 ppg increased to 10.9 ppg. 1343 units back ground gas. Running 10 gpg make up water. Connection gas 3128 units. No burnable gas
	12:00 - 12:15	0.25	D	18		Safety meeting (Cleaning out belly pan) review JSA
	12:15 - 15:00	2.75	D	03		Drill 6 1/8" hole f/ 12045' to 12133'. 88 ft. 29.3 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg 1025 units back ground gas. Running 10 gpg make up water. Connection gas 4327 units. No burnable gas. Loosing about 10 bbl per hour.
	15:00 - 15:15	0.25	D	06		Lubricate rig Function annular 16 sec to close, function UPR and LPR 5 sec to close
	15:15 - 17:45	2.50	D	03		Drill 6 1/8" hole f/ 12133' to 12191'. 58 ft. 23.2 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg 1000 units back ground gas. Running 10

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426
Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/26/2009	15:15 - 17:45	2.50	D	03		ggp make up water. Connection gas 2666 units. No burnable gas. Loosing about 10 bbl per hour.
	17:45 - 18:00	0.25	D	05		Acc connection time.
	18:00 - 19:30	1.50	D	03		Drill 6 1/8" hole f/ 12191' to 12227. 36 ft. 24 ft/hr. 227 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 10.9 ppg.
	19:30 - 19:45	0.25	DT	55		Flow check @ 12227 ft. Shut in well, hard shut in
	19:45 - 02:30	6.75	DT	55		Well flowing, reach MACP, Start pump with # 2 @ 3/4 RSPP. 46 stks. Keeping up with gas kick. Slow pump to RSPP 34 stks. Not keepin up with kick. Increase RSPP to 44 stk. Holding 1440 psi on DP. Pump #2 straving switch to pump #1. Pump are straveing do parifin wax from well bore, Switch back to # 2 pump. Full circ around Stop pump, shut in well. Csg press 370 psi to 537 psi in 1 hr 26 mins. Pipe press 121 psi to 400 psi in 1 hr 16 mins, dropped to 288 psi & increased to 310 psi 10 mins.
3/27/2009	02:30 - 06:00	3.50	DT			Prepare & start #2 pump holding 1550 psi on DP. Raise mud density to 12.1 ppg. mixing sk barite through hopper & LCM. Stop pump. Flow check.
	06:00 - 10:15	4.25	D	03		Drill 6 1/8" hole f/ 12227' to 12323'. 96 ft. 22.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.1 ppg and raised to 12.3 ppg due to increased gas. 1500 units back ground gas. Connection gas 2533 units. No burnable gas after first round circulation. No losses.
	10:15 - 10:30	0.25	D	06		Lubricate rig Function annular 23 sec to close, function UPR and LPR 6 sec to close
	10:30 - 12:00	1.50	D	03		Drill 6 1/8" hole f/ 12323' to 12360'. 37' ft. 24.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 1500 units back ground gas. Connection gas 2288 units. No burnable gas. No losses.
	12:00 - 12:15	0.25	D	18		Safety Meeting (Mixing chemicals)
	12:15 - 14:30	2.25	D	03		Drill 6 1/8" hole f/ 12360' to 12418'. 58' ft. 25.8 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 1500 units back ground gas down to 500 when 12.3 around. No burnable gas. Lost partial returns.
	14:30 - 15:30	1.00	DT	57		Mix 2 sweeps and pump them to cure partial returns.
	15:30 - 18:00	2.50	D	03		Drill 6 1/8" hole f/ 12418' to 12468'. 50ft. 20 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 929 units back ground gas. Connection gas 1921 units. No burnable gas.
	18:00 - 18:15	0.25	D	06		Rig service. Function upper pipe rams 6 sec.
	18:15 - 00:00	5.75	D	03		Drill 6 1/8" hole f/ 12468' to 12602'. 134 ft. 23.3 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 627 units back ground gas. Connection gas 1291 units. No burnable gas. Running 3 gals/min add water to mud system. Pumping calcarb sweeps every 90 ft.
	00:00 - 00:15	0.25	D	18		Safety meeting Using BOP tags, Rev JSA # 40
	00:15 - 04:00	3.75	D	03		Drill 6 1/8" hole f/ 12602' to 12700'. 98 ft. 26.13 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.3 ppg. 530 units back ground gas. Connection gas 1060 units. No burnable gas.
	04:00 - 04:15	0.25	D	06		Rig service. Annular 16 sec. upper & lower rams 6 sec.
	04:15 - 06:00	1.75	D	03		Drill 6 1/8" hole f/ 12700' to 12737'. 37 ft. 212.14 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 530 units back ground gas. No burnable gas.
3/28/2009	06:00 - 12:00	6.00	D	03		Drill: 6 1/8" hole f/ 12755' to 12891'. 136 ft. 22.7 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.4 ppg. 500 units back ground gas. Connection gas 1181 units. No burnable gas. 2 to 3 gal per hour fresh water
	12:00 - 12:15	0.25	D	18		Safety Meeting (skate use)
	12:15 - 12:30	0.25	D	06		Rig service. Annular 16 sec. upper & lower rams 6 sec.
	12:30 - 17:30	5.00	D	03		Drill 6 1/8" hole f/ 12891' to 12999. 108 ft. 21.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.4 ppg. 551 units back ground gas. Connection gas 3905 units. No burnable gas. 2 to 3 gal per hour fresh water

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EL PASO PRODUCTION
Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426

Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/28/2009	17:30 - 18:00	0.50	D	05		Accu connection time
	18:00 - 19:30	1.50	D	03		Drill 6 1/8" hole f/ 12999' 13014' 15 ft 10 ft/hr.
	19:30 - 20:15	0.75	DT	67		Clean out LCM under pump valves
	20:15 - 23:45	3.50	D	03		Drill 6 1/8" hole f/ 13014' to 13091'. 77 ft. 22 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 42 mw. 12.5 ppg. 645 units back ground gas. No burnable gas. 2 to 3 gal per hour fresh water
	23:45 - 00:00	0.25	D	05		Acc connection time
	00:00 - 00:15	0.25	D	18		Safety meeting. Confined space entry & rescue in tanks, JSA # 24
	00:15 - 04:15	4.00	D	03		Drill 6 1/8" hole f/ 13091' to 13175'. 84 ft. 21 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 497 units back ground gas. No burnable gas. 2 to 3 gal per hour fresh water
	04:15 - 04:30	0.25	D	06		Rig service Function annular 15 sec. upper lower pipe rams. 5 sec.
	04:30 - 06:00	1.50	D	03		Drill 6 1/8" hole f/ 13175' to 13206'. 31 ft. 20.6 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 40 mw. 12.5 ppg. 497 units back ground gas. Connection gas 1606 units. No burnable gas. 2 to 3 gal per hour fresh water
						Drill 6 1/8" hole f/ 13209' to 13319'. 110 ft. 20.0 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 41 mw. 12.5 ppg. 424 units back ground gas. Connection gas 1725 units. No burnable gas. 2 to 3 gal per hour fresh water
3/29/2009	06:00 - 11:30	5.50	D	03		Accumulated connection time
	11:30 - 12:00	0.50	D	18		Safety Meeting (loader operation)
	12:00 - 12:15	0.25	D	18		Drill 6 1/8" hole f/ 13319' to 13420'. 101 ft. 22.4 ft/hr. 225 gpm, 25 rpm, 14 - 15 WOB. vis 41 mw. 12.5 ppg. 552 units back ground gas. Connection gas 1763 units. No burnable gas. 2 to 3 gal per hour fresh water
	12:15 - 16:30	4.25	D	03		Circulate and condition hole. 2 bottoms up and pump slug. Increase vis for short trip and logging. Flow check.
	16:30 - 19:00	2.50	D	08		Wiper trip to csg shoe. Tight spot @ 11945'-11936' pulled 42,000 over. Flow check. RIH. Circ gas 4724 unit. Back ground down to 460 units.
	19:00 - 22:30	3.50	D	04		Wash to bottom. 3 ft fill.
	22:30 - 22:45	0.25	D	07		Circ & condition hole. Work pipe.
	22:45 - 00:00	1.25	D	08		Safety meeting. Tripping JSA # 1 & 2.
	00:00 - 00:15	0.25	D	18		Circ & condition hole. Work pipe.
	00:15 - 01:30	1.25	D	08		Rig service. Function annular 16 sec. Upper & lower pipe rams 6 sec.
3/30/2009	01:30 - 01:45	0.25	D	06		POOH f/ 13420' - FC @ 13420', 12975'
	01:45 - 02:15	0.50	D	04		Pull RBOP
	02:15 - 02:45	0.50	D	18		POOH. F/ 12975' - 6800'
	02:45 - 06:00	3.25	D	04		Continue trip ooh to log. Lay down 6 DC's and Jars.
	06:00 - 10:00	4.00	D	04		Lay down MWD and Motor. Grade bit. No degadinging marks except some dulling of cutters. Strap 13410.03' Hole fill Cal 93.3 bbl actual 96.2 diff 2.7 bbl.
	10:00 - 11:30	1.50	D	04		Safety meeting w/ Halliburton loggers.
	11:30 - 11:45	0.25	D	18		Rig up Halliburton and RIH. Triple combo and wave sonic and dir survey.
	11:45 - 16:00	4.25	D	11		RIH TO 11200'. HUNG UP, WORK TO 11600'. STILL DRAGING AND STICKY. Pull up to 6000' over to move tool. Pooh inspect tools.
						Centralizers look like part of the problem.
	16:00 - 18:30	2.50	DT	67		Lay down and reline tools to run standard triple combo. No sonic. RIH.
	18:30 - 20:00	1.50	DT	67		Tag bridge @ 11440'. Work tools to 11450'. Pull double wire line weight pulling up, out of tight spot POOH & rig out Loggers.
	20:00 - 20:30	0.50	D	06		Fix Clamp on Top Drive.
	20:30 - 00:00	3.50	DT	56		Make up BHA, Bit, Bit sub, one DC, TBR, one DC, TBR, six DC, Jars, four 4 DC. six HWD. RIH w/ DP.
	00:00 - 00:15	0.25	DT	56		Safety meeting. Tripping, JAS # 1&2.

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426

Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/30/2009	00:15 - 02:45	2.50	DT	56		RIH to 6700'. Fill pipe. RIH to 10941'.
	02:45 - 03:00	0.25	DT	56		Install RBOP
	03:00 - 06:00	3.00	DT	56		Kelly up circ, tag bridges @ 11446, 11521, 11556, 11727, 11878, 11947, 11974. Taking weight from 4000 lbs to 15,000 lbs. Possible pushing something
3/31/2009	06:00 - 07:45	1.75	D	04		Cont. RIH f/ 12306' - 13420' Wash last 2 std's to btm. No noticeable fill on btm.
	07:45 - 09:30	1.75	D	08		Circ. cond. mud and hole Had 3212 units gas on btms. up Back grd. 749 units No sign of any sloughing shale / etc. coming over shakers
	09:30 - 12:00	2.50	D	04		Make wiper trip up to csg shoe @ 10998' Slight tight spot at 13089'
	12:00 - 12:15	0.25	D	18		Safety meeting Tripping
	12:15 - 12:30	0.25	D	06		Rig Ser. Function annular preventor c / o 23 sec's
	12:30 - 14:30	2.00	D	04		Cont. RIH Wash last 2 std's to btm. No noticeable fill on btm. Had 3422 units gas on btms. up
	14:30 - 17:00	2.50	D	08		Circ. btms. up 2X Mud Wt. 12.6 ppg Vis. 47 No mud losses while circulating
	17:00 - 00:00	7.00	D	04		POH to log. Drop drift w/ 120 ft survey line tied to drift. Flow check 6700'
	00:00 - 00:15	0.25	D	18		Safety meeting. Tripping out
	00:15 - 01:45	1.50	D	04		POOH to log. Flow check @ 840'. On bank function blind rams. 6 sec.
	01:45 - 02:00	0.25	D	06		Rig service. Function upper & lower pipe rams. 4 sec. Hole fill measured 130 bbls Calculated 89.91 bbls, diff 41 bbls. Pipe pulling wet. Bit & drift full of wax.
	02:00 - 06:00	4.00	D	11		Rig in loggers, RIH & tag bottom. Loggers depht 13430ft. Log.
4/1/2009	06:00 - 07:30	1.50	D	11		Finish running log #1 Triple Combo 13430' - 10988'
	07:30 - 12:00	4.50	D	11		Run log #2 Wave Sonic 13330' - 10988' No major hole problems running logs
	12:00 - 12:15	0.25	D	18		Safety meeting JSA#13 Running csg.
	12:15 - 14:00	1.75	D	11		Finish running log #2
	14:00 - 14:15	0.25	D	06		Rig ser. Function upper pipe rams c / o 4 sec's
	14:15 - 14:45	0.50	D	12		Rig in Franks Westates power tongs Hold safety meeting w/ Halliburton tool hands & tong Co.
	14:45 - 20:00	5.25	D	12		Run 66jts, 4 1/2" 15.1 ppf P-110 LT&C liner.
	20:00 - 21:00	1.00	D	12		Install csg hanger. Trouble with installing hanger do to casing egged, which is not allowing plug release to go inside casing. Replace jt csg with jt # 74.
	21:00 - 00:00	3.00	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 2237'-5307'
	00:00 - 00:15	0.25	D	18		Safety meeting Tripping in with casing hanger. JSA 1&2
	00:15 - 03:30	3.25	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 5307'- 10892'
	03:30 - 05:00	1.50	D	08		Break circ @ 10871', circ bottoms up @ 176 gpm. 1255 psi. Back ground gas 621 units. Trip gas 3107 units. no burnable gas.
4/2/2009	05:00 - 06:00	1.00	D	12		RIH w/ 114 jts 3 1/2" DP Fill DP every 10 stands. trip speed 35-40 ft/min. 10892'-12104'
	06:00 - 12:00	6.00	D	12		Wash liner to btm. from 12900' - 13420' Lost 188 bbls. drlg. mud to form. while washing to btm. Had 4409 units gas on btms. up Ran 66 jts. 4 1/2" 15.1# P-110 LT&C liner Lenght with float equip. & hanger / packer @2632.72'
	12:00 - 12:15	0.25	D	18		Safety meeting w/ Halliburton and Schlumberger
	12:15 - 12:45	0.50	D	12		Lay down 1 jt. dp used to tag btm. Make up 10' pup jt. & cmt. head
	12:45 - 13:45	1.00	D	08		Cont. circ
	13:45 - 19:15	5.50	D	14		Cement 4 1/2" liner w/ 20 Bbls of MUDPUSH II, 65 Bbls (235 sks) of 50/50 Poz 14.1# / gal. cement, Washed up, Pumped 5 bbls. of retarded

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EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: DRILLING
Contractor Name: PRECISION
Rig Name: PRECISION

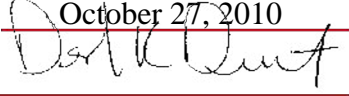
Start: 1/7/2009
Rig Release: 4/4/2009
Rig Number: 426

Spud Date: 1/8/2009
End: 4/5/2009
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/2/2009	13:45 - 19:15	5.50	D	14		fluid, 33 Bbls. of 2% KcL, 5 Bbls. retarded fluid, 73 Bbls. of drilling mud at 4 Bbls/min. Slowed to 2 Bbls / minute 5 bbls before liner hanger and 5 Bbls after) 10 Bbls of mud at 1.5 Bbls/min. Bumped plug at 14:34 hrs. Pressure prior to bumping 2300 psi. Pressured to 2950#. Held pressure for 5 minutes. Float held. Pressure up to 3800# rupture disc in liner hanger. Drop ball and circulate with Schlumberger. Ball seated @ 65 bbls 5100 psi. Set hanger. Released from hanger. Picked up 10' above liner. Pumped a total of 645 bbls bottoms up, working pipe the entire time. Circulated 20 Bbls of cement to surface. 3947 units gas prior to circulating, finished with 77 units. Positive test w/ Schlumberger: 1500# for 10 Minutes. Held. Displaced hole with 2% KcL. 406 bbls. Flow check. Well static.
	19:15 - 19:30	0.25	D	14		Rig out cementers
	19:30 - 20:45	1.25	D	14		Safety meeting, Laying down pipe. JSA # 34
	20:45 - 21:00	0.25	D	18		POOH Laying down pipe. Flow check @ 10019'.
	21:00 - 00:00	3.00	D	04		Safety meeting, laying down DP. JSA # 34
4/3/2009	00:00 - 00:15	0.25	D	18		POOH 800'. Laying down pipe. Flow check @ 5000'.
	00:15 -		D	04		Safety meeting JSA#34 Laying down dp
	06:00 - 06:15	0.25	D	18		RIH w/ dc's, Hwdp & 21 std's dp from derrick & lay down same
	06:15 - 10:30	4.25	D	04		Slip & cut drill line
	10:30 - 11:45	1.25	D	06		Rig in Cased Hole Solutions Hold safety meeting
4/4/2009	11:45 - 12:15	0.50	D	09		Run #1 Ran 6" gauge ring / junk basket to liner top @10807'
	12:15 - 16:45	4.50	D	09		Run #2 Ran 3.625" gauge ring / junk basket Tagged 4 1/2" float collar at 13387'
	16:45 - 17:30	0.75	D	09		Run #3 Run wireline set, tubing retrievable Weatherford bridge plug Set at 85' Below RT
	17:30 - 00:00	6.50	D	15		Press. test bridge plug to 1500 psi 10 min.
	00:00 - 00:15	0.25	D	18		Change out 3 1/2" rams to 5" rams. Nipple down BOPS.
4/4/2009	00:15 - 06:00	5.75	D	09		Safety meeting. Nipple down BOPS. JSA # 16.
	06:00 - 08:00	2.00	D	01		Nipple down BOPS. (Double gate rams fell through matting, reinforce matting with 3" X 12" planks.) Strip LCM out of mud.
	08:00 - 12:00	4.00	D	09		Remove C section & upper pack off
	12:00 - 14:00	2.00	DT	53		Install 13 5/8 5k x 7 1/16 10k tubing spool Press. test PE seal to 5000 psi 10 min. Install 7 1/16 10k Bop Run in and pull retrievable bridge plug
	14:00 - 16:30	2.50	D	10		Install test plug in tubing hanger Test plug to short Lock down screws going in above test plug
4/5/2009	16:30 - 00:00	7.50	D	01		Wait on Proper test plug
	00:00 - 00:15	0.25	D	18		Install test plug Press. test blind rams to 10000 psi 10 min. Remove test plug & secure well
	00:15 - 06:00	5.75	D	01		Tear out top drive. Lay down torque bushing, rig down service loop.
	06:00 - 12:00	6.00	D	01		Safety meeting. Rigging out top drive.
	12:00 - 12:15	0.25	D	18		Rig out torque tub. Lay down swivel, rig up dynapex, rig out floor & prepare tarps for rig out.
4/5/2009	12:15 - 23:00	10.75	D	01		Rig out floor and prepare tarps for rig out Spool winches, drop catch pan, lay out v door, stairs & lay over racking floor
	23:00 - 00:00	1.00	D	01		Safety meeting Suspended loads
	00:00 - 06:00	6.00	D	01		Lay over racking floor, spool up hydraulic hoses Inspect derrick and lay over Derrick down @1530 hrs. Pull power cords Take down prefab frame work Cont. with general tear out 70 ton crane arrived on loc.
						1100 hrs. Held safety meeting with crane and rig crew
						Rig released 23:59 04/04/2009
						Wait for day light

RECEIVED February 11, 2010

Printed: 1/14/2010 11:34:37 AM

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: BOURNAKIS 3-18B4			
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		9. API NUMBER: 43013340910000			
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/28/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. El Paso E & P Company intends to perforate additional Wasatch intervals and produce with existing Wasatch intervals, per the attached report.					
Approved by the Utah Division of Oil, Gas and Mining Date: <u>October 27, 2010</u> By: <u></u>					
NAME (PLEASE PRINT) Marie Okeefe		PHONE NUMBER 303 291-6417			
SIGNATURE N/A		TITLE Sr Regulatory Analyst			
		DATE 10/18/2010			

BOURNAKIS 3-18B4 RECOMPLETION SUMMARY

- POOH with tubing and rods.
- Clean out wellbore with bit and scraper.
- Plug back existing two Wasatch frac stages with a CBP @ approximately 12,280'.
- Re-Perforate stage 3 of the Wasatch from approximately 12,183' – 12,258'.
- Re- frac stage 3 with approximately 100,000 pounds of proppant.
- Flow back until a sufficient test is completed
- Drill out CBP @ approximately 12,280'.
- Run tubing and rods and produce the well.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee							
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A							
2. NAME OF OPERATOR: El Paso E & P Company, L.P.		7. UNIT or CA AGREEMENT NAME N/A							
3. ADDRESS OF OPERATOR: 1099 18th St Ste 1900 CITY Denver STATE CO ZIP 80202		8. WELL NAME and NUMBER: Bournakis 3-18B4							
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 976 FSL & 1544 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 976 FSL & 1544 FEL AT TOTAL DEPTH: 976 FSL & 1544 FEL		9. API NUMBER: 4301334091							
10. FIELD AND POOL, OR WILDCAT Altamont		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 18 2S 4W							
12. COUNTY Duchesne		13. STATE UTAH							
14. DATE SPUDDED: 1/7/2009		15. DATE T.D. REACHED: 4/4/2009							
16. DATE COMPLETED: 4/27/2009		17. ELEVATIONS (DF, RKB, RT, GL): 6521' GL							
18. TOTAL DEPTH: MD 13,420 TVD 13,415		19. PLUG BACK T.D.: MD TVD							
20. IF MULTIPLE COMPLETIONS, HOW MANY? * N/A		21. DEPTH BRIDGE MD PLUG SET: TVD							
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Quad Combo		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>							
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 N-80	40	0	5,462		G 975	682	0	N/A
						G 210	59		
8.75	7 p110	29	0	10,991		G 352	186	0	
						G 182	76		
6.125	4.5 p110	13.5	10,782	13,420		G 235	65	10782	
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2.875	10,700	10,700	2.875						
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Wasatch	10,892	13,420			13,358 12,888	22.7	135	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)					12,814 12,346	22.7	187	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)					12,260 12,184	22.7	63	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL								
13358-12888	5000 gal 15% HCL, 190487# 100 mesh sand, 20/40 sinterlite sand								
12814-12346	5000 gal 15% HCL, 200260# versa prop								
12260-12184	8400 gal 15% HCL								
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input checked="" type="checkbox"/> DIRECTIONAL SURVEY								prod	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER:									

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OCT 04 2010

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 4/26/2009		TEST DATE: 4/27/2009		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 1,010		GAS – MCF: 1,866		WATER – BBL: 58		PROD. METHOD: flow							
CHOKE SIZE: 16/64		TBG. PRESS. 2,300		CSG. PRESS. 0		API GRAVITY 42.71		BTU – GAS 1,260		GAS/OIL RATIO 2		24 HR PRODUCTION RATES: →		OIL – BBL: 1,010		GAS – MCF: 1,866		WATER – BBL: 58		INTERVAL STATUS: open	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GRRV	5,910	6,910	Stacked SS, siltstone, shale, dolo, LS		
GRTN1	6,910	7,901	Stacked SS, siltstone, shale, dolo, LS		
GRMHB	7,901	9,398	Stacked SS, siltstone, shale, dolo, LS		
TGR3	9,398	10,892	Stacked SS, siltstone, shale, dolo, LS		
WASATCH	10,892	13,340	Stacked SS, siltstone, shale, dolo, LS		

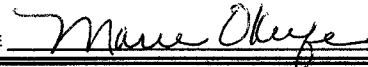
35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Marie OKeefe

TITLE Sr. Regulatory Analyst

SIGNATURE



DATE

9/27/10

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



ELPASO EXPLORATION&PRODUCTION

**Duchesne Co., UT
Bournakis #3-18B4
Bournakis #3-18B4**

#3-18B4

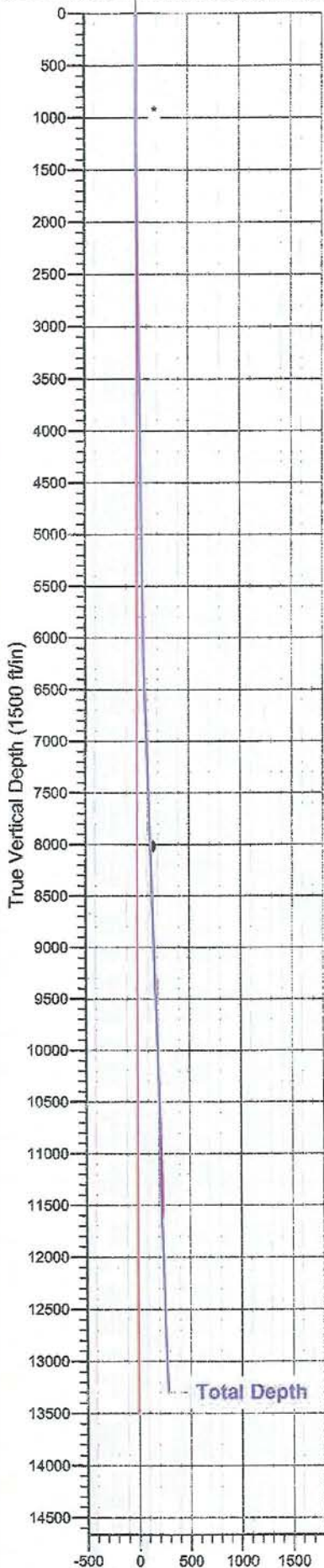
Survey: Actual Surveys

Standard Survey Report

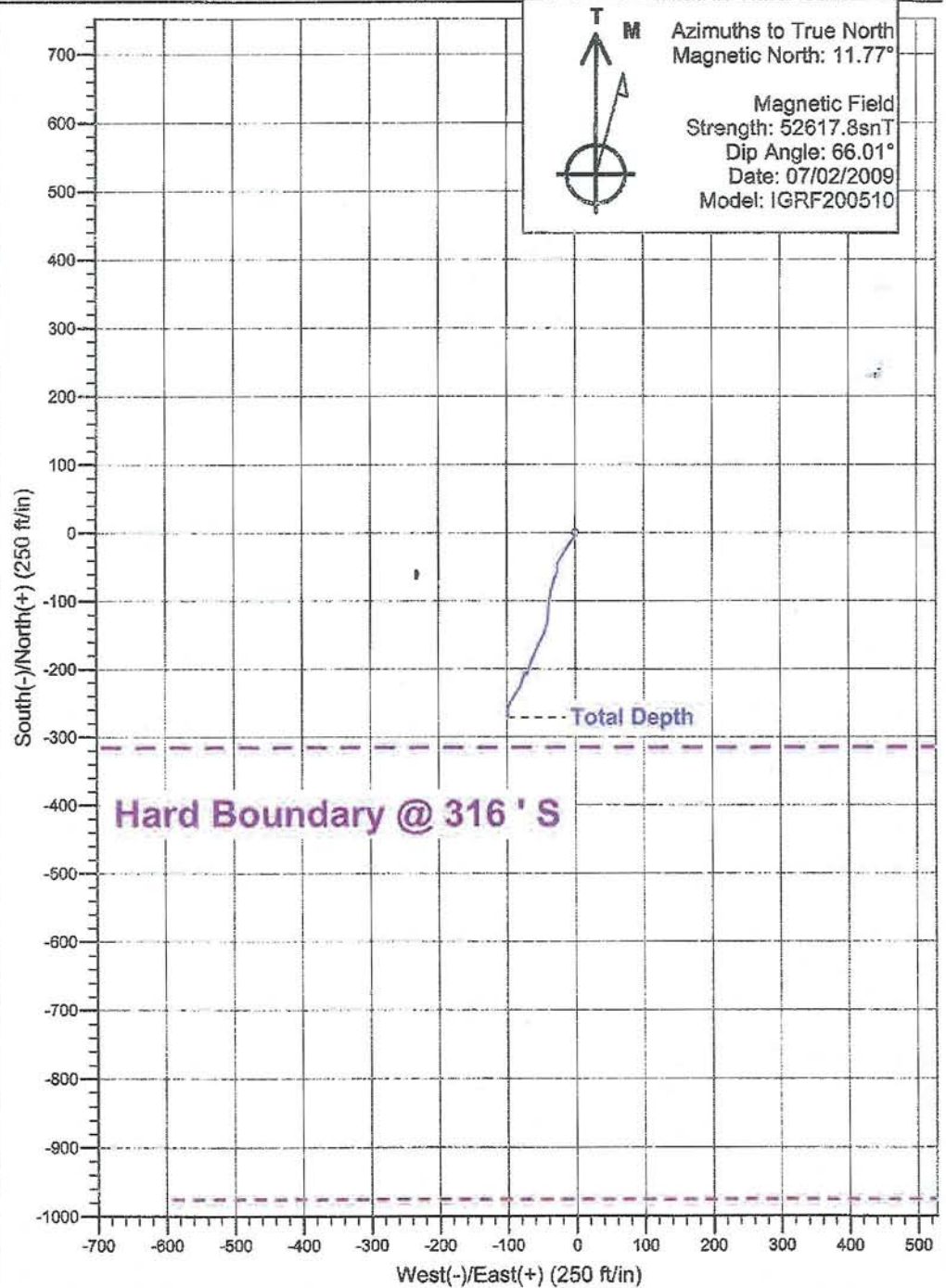
, 06 April, 2009

ELPASO EXPLORATION&PRODUCTION

Project: Duchesne Co., UT
 Site: Boumakis #3-18B4
 Well: Boumakis #3-18B4
 Wellbore: #3-18B4
 Design: #3-18B4



Vertical Section at 193.39° (1500 ft/in)



Company: ELPASO EXPLORATION&PRODUCTION
Project: Duchesne Co., UT
Site: Bournakis #3-18B4
Well: Bournakis #3-18B4
Wellbore: #3-18B4
Design: #3-18B4

Local Co-ordinate Reference: Well Bournakis #3-18B4
TVD Reference: RKB @ 6541.0ft (Original Well Elev)
MD Reference: RKB @ 6541.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Total Directional

Project	Duchesne Co., UT		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 Utah - HARN		
Map Zone:	Zone 12N (114 W to 108 W)		

Well	Bournakis #3-18B4				
Well Position	+N/-S	0.0 ft	Northing:	4,461,578.50 m	Latitude: 40° 18' 10.901 N
	+E/-W	0.0 ft	Easting:	553,094.31 m	Longitude: 110° 22' 30.809 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level: 0.0 ft

Wellbore	#3-18B4				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	07/02/2009	11.77	66.01	52,618

Design	#3-18B4				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	193.39	

Survey Program	Date	06/04/2009			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
952.0	13,302.5	Actual Surveys (#3-18B4)			

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
952.0	0.10	113.70	952.0	-0.3	0.8	0.1	0.01	0.01	0.00	
1,350.0	0.42	194.85	1,350.0	-1.9	0.7	1.7	0.10	0.08	20.39	
1,429.0	0.50	197.10	1,429.0	-2.5	0.5	2.3	0.10	0.10	2.85	
1,871.0	0.70	214.40	1,871.0	-6.6	-1.6	6.7	0.06	0.05	3.91	
2,250.0	0.72	213.74	2,249.9	-10.5	-4.2	11.1	0.01	0.01	-0.17	
2,700.0	0.75	213.02	2,699.9	-15.3	-7.4	16.6	0.01	0.01	-0.16	
3,150.0	0.78	212.34	3,149.9	-20.3	-10.6	22.2	0.01	0.01	-0.15	
3,600.0	0.80	211.71	3,599.8	-25.6	-13.9	28.1	0.00	0.00	-0.14	
4,050.0	0.83	211.12	4,049.8	-31.1	-17.2	34.2	0.01	0.01	-0.13	
4,500.0	0.86	210.57	4,499.7	-36.8	-20.6	40.5	0.01	0.01	-0.12	
4,950.0	0.89	210.05	4,949.7	-42.7	-24.1	47.1	0.01	0.01	-0.12	
5,177.0	0.90	209.80	5,176.6	-45.8	-25.9	50.5	0.00	0.00	-0.11	
5,404.0	1.00	165.90	5,403.6	-49.2	-26.3	54.0	0.32	0.04	-19.34	
5,958.0	0.60	189.10	5,957.6	-56.8	-25.6	61.2	0.09	-0.07	4.19	
6,221.0	1.50	207.90	6,220.5	-61.2	-27.4	65.9	0.36	0.34	7.15	
6,588.0	2.40	194.40	6,587.3	-72.9	-31.5	78.2	0.27	0.25	-3.68	
6,868.0	2.50	197.30	6,867.0	-84.4	-34.8	90.2	0.06	0.04	1.04	
7,421.0	1.70	181.10	7,419.7	-104.1	-38.6	110.2	0.18	-0.14	-2.93	

Company: ELPASO EXPLORATION&PRODUCTION
Project: Duchesne Co., UT
Site: Bourmakis #3-1884
Well: Bourmakis #3-1884
Wellbore: #3-1884
Design: #3-1884

Local Co-ordinate Reference: Well Bourmakis #3-1884
TVD Reference: RKB @ 8541.0ft (Original Well Elev)
MD Reference: RKB @ 8541.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Total Directional

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	*N-S (ft)	*E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,888.0	1.80	184.80	7,886.5	-118.3	-39.3	124.2	0.03	0.02	0.79
8,173.0	2.10	187.60	8,171.3	-128.0	-40.4	133.8	0.11	0.11	0.98
8,350.0	2.10	189.20	8,348.2	-134.4	-41.3	140.3	0.03	0.00	0.90
8,727.0	1.80	207.10	8,725.0	-145.9	-44.8	152.3	0.20	-0.13	4.75
9,294.0	2.10	202.90	9,291.7	-162.5	-52.5	170.2	0.09	0.09	-0.74
9,734.0	2.00	205.80	9,731.4	-176.8	-59.0	185.7	0.03	-0.02	0.66
10,208.0	2.00	199.40	10,203.1	-192.0	-65.3	201.9	0.05	0.00	-1.36
10,673.0	1.90	194.90	10,669.8	-207.2	-70.0	217.8	0.04	-0.02	-0.96
10,870.0	1.46	342.64	10,866.8	-208.0	-71.6	218.9	1.64	-0.22	74.99
11,350.0	1.95	191.80	11,346.7	-210.1	-75.1	221.8	0.69	0.10	-31.42
11,830.0	1.99	203.11	11,826.4	-225.8	-80.0	238.2	0.08	0.01	2.36
12,310.0	1.84	223.43	12,306.2	-239.0	-88.6	253.0	0.14	-0.03	4.23
12,790.0	1.87	199.53	12,785.9	-252.0	-96.5	267.5	0.16	0.01	-4.98
13,270.0	2.59	178.58	13,265.6	-270.2	-98.8	285.8	0.22	0.15	-4.36
13,302.5	1.66	172.30	13,298.1	-271.4	-98.8	286.9	2.95	-2.86	-19.32

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	*N-S (ft)	*E-W (ft)	Comment
952.0	952.0	-0.3	0.8	*
13,302.5	13,298.1	-271.4	-98.8	Total Depth

DID NOT RUN TO 13420' TD MD; 13415' TVD.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th ST, STE 1900 , Denver, CO, 80202		8. WELL NAME and NUMBER: BOURNAKIS 3-18B4
PHONE NUMBER: 303 291-6417 Ext		9. API NUMBER: 43013340910000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/10/2010			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 EL PASO PERF'D ADDITIONAL WASATCH INTERVALS AND FRAC'D. SEE ATTACHMENT FOR DETAIL.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Marie Okeefe	PHONE NUMBER 303 291-6417	TITLE Sr Regulatory Analyst
SIGNATURE N/A	DATE 1/5/2011	



EL PASO PRODUCTION Operations Summary Report

Page 1 of 3

Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: RECOMPLETION
Contractor Name: BASIC ENERGY SERVICES
Rig Name: BASIC

Start: 10/25/2010
Rig Release: 11/10/2010
Rig Number: 1584
Spud Date: 1/8/2009
End: 11/10/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/26/2010	06:00 - 10:30	4.50	C	01		CT & TGSM (RIGGING DOWN) RDMO 1-12 A1 MOL SLIDE
						ROTOFLEX UNIT RIG UP
	10:30 - 12:00	1.50	C	18		ATTEMPT TO RETRIEVE STANDING VALVE W/ NO SUCCES L/D
						P-ROD & SUBS
	12:00 - 14:00	2.00	C	04		POOH W/ 85 1", 134 7/8", 104 3/4", 18 1", STAB., SUB, 1-1/2" x 36'
						P-ROD, 2.25 PLUNGER
10/27/2010	14:00 - 16:00	2.00	C	18		RU SWAB LUB. MAKE 2 CONS RUNS FNL FL @ 3700'
	16:00 - 17:00	1.00	C	18		RD SWAB LUB C/O TO TBG EQ., TEMP LAND TBG W/ 6' PUP JT.,
						NU BOPS, RU WORK FLOOR & TBG EQ., RELEASE TAC
	17:00 - 19:00	2.00	C	04		POOH W/ 40 JTS 2-7/8" 8RD N-80 EUE TBG, EOT @ 7565'. 70 BBLS
						2% KCL LOSS FOR DAY.
						CT & TGSM (SWABBING) TSIP @ 0# PSI, CSIP @ 50# PSI, BWD,
10/28/2010						RU SWAB EQ., MAKE 3 CONS RUNS, R/D SWAB EQ.,
	08:30 - 12:00	3.50	C	04		COOH W/ 220 JTS 2-7/8" 8RD N-80 TBG, 7" WCS TAC, 7 JTS, 4' PUP
						JT., 2-7/8" PUMP BARRELL, MECH S/N, 2' PUP JT., 6' PUP JT., 4-1/2"
						P.B.G.A, 2 JTS 2-7/8", SOLID PLUG, 5-3/4" NO-GO
	12:00 - 17:30	5.50	C	04		MU & RIH W/ PBR LINER POLISHING TOOL 5-3/4" LOCATOR & 5-1/4"
						NOSE CONE, 267 JTS 2-7/8" 8RD N-80 PROD TBG, PU 69 JTS
10/29/2010						YELLOW BAND WORK STRING, EOT @ 10748'. SWIFD CSDFD CT.
	06:00 - 10:00	4.00	C	18		WATER LOSS FOR DAY 245 BKCL CUMM 315 BKCL
						CT & TGSM (POWER SWVL OPERATIONS) TSIP & CSIP @ 50#
						PSI, BWD RU PWR SWIVEL W/ JT # 337 TAG LINER TOP @ 10810',
	10:00 - 15:00	5.00	C	04		RU PUMP & RETURN LINES PUMP 60 BBLS 2% KCL @ 3.5 BPM,
						DROP RATE TO 1.5 BPM DRESS LINER TOP. RIG DOWN POWER
10/30/2010						SWIVEL
	15:00 - 20:00	5.00	C	11		POOH W/ 337 JTS 2-7/8" 8RD N-80 TBG L/D & RETIRE PBR
						POLISHING TOOL.
						MOL W/ PHEONIX WIRELINE EQ., RIG UP, RIH W/ 3.5" GAUGE RING
						TAG @ 13,248'. RIH W/ WEATHERFORD CBP, 2-3/4" GUN W/ 3
						JSPF, 120" PHASING W/ 15GM CHARGES, SET & TAG CBP @ 12280'
10/31/2010						& PERFORATE 12,258' TO 12,183' 16 NET FT W/ 48 HOLES. NO
	06:00 - 15:00	9.00	C	04		PRESSURE CHANGES. SWIFD CSDFD CT. NOTE ALL
						PERFORATIONS CORRELATED TO CASED HOLE SOLUTIONS CBL
						DATED 4-21-09
	15:00 - 17:00	2.00	C	09		TTL WTR LOSS FOR DAY 310 BBLS CUMM. 625 BBLS KCL
						CT & TGSM (PU 4-1/2" TBG) CHANGE OVER TO 4-1/2" TBG EQ.,
10/31/2010						WAIT ON MACHINE SHOP TO BUILD 4-1/2" LTC X 4-1/2" EUE
	12:00 - 15:00	3.00	C	01		CHANGE OVER
	15:00 - 15:30	0.50	C	18		PUMU & RIH W/ 5-1/4" WCS SEAL ASSEMBLY, 4-1/2" LTC X 4-1/2"
	15:30 - 19:00	3.50	C	21		EUE X/O, 4-1/2" EUE X 4-1/2" PH6 X/O, 146 JTS 4-1/2" PH6 15.5 PPF
						TBG, EOT @ 4625'. SWIFD CSDFD CT. WATER LOSS FOR DAY 250
						BBLS KCL, CUMM LOSS 875 BBLS KCL
10/31/2010						CT & TGSM (PU 4-1/2" TBG) TSIP & CSIP @ VAC. OPEN WELL MU
						& RIH W/ 196 JTS 4-1/2" PH 6 15.5 PPF TBG, SPACE OUT W/ 10' PUP
						JT., STING IN W/ 60K COMPRESSION.
						F&T CSG W/ 69 BBLS KCL TEST TO 1500# PSI FOR 30 MIN. GOOD
						TEST. MU FRAC VALVE, RUN FLOW BACK LINES TO TANK. SWIFD
						CSDFD CT.
10/31/2010						69 BBL LOSS FOR DAY 944 BBL CUMM LOSS
						MOVE FRAC EQUIPMENT TO LOCATION & RU
						HOLD SAFETY MEETING & PRESSURE TEST LINES TO 8242 PSI
						START PUMPING. TREAT NEW PERFS 12183' TO 12258' &
						EXISTING PERFS 12184' TO 12260' AS FOLLOWS, PUMP 67 BBLS

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EL PASO PRODUCTION Operations Summary Report

Page 2 of 3

Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: RECOMPLETION
Contractor Name: BASIC ENERGY SERVICES
Rig Name: BASIC

Start: 10/25/2010
Rig Release: 11/10/2010
Rig Number: 1584
Spud Date: 1/8/2009
End: 11/10/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/31/2010	15:30 - 19:00	3.50	C	21		TO CATCH PRESSURE. PUMP 1500 GAL 15% HCL ACID W/ 75 BIO BALLS FOR DIVERSION. PRESSURE CLIMBED STEADILY TO 6313 PSI. DID NOT SEE DEFINATE BREAK. FLUSH TO 10 BBLS OF BOTTOM PERF. PRESSURE DROPPED TO 0 PSI IN 2 MINUTES. WAIT 1 HR FOR EXTRA WTER IN ORDER TO EXTEND SPACER STAGE & EXTEND 1 & 2 PPG STAGES BECAUSE OF LEAK OFF. USED 1000# FLC 42 IN 2nd SPACER STAGE BECAUSE OF LEAK OFF. START PUMP SAND FRAC. TREAT PERFS W/ 8000# 100 MESH SAND IN 2 - 1PPG STAGES (W/ 4000 GAL SPACER IN BETWEEN STAGES) & 20375# 20/40 TERRA PROP IN 1 PPG & 2 PPG STAGES. CALLED FOR FLUSH BECAUSE OF HIGH PRESSURE 156 BBLS INTO 2 PPG STAGE. SCREENED OUT BEFOR 2 PPG STAGE HIT PERFS. ATTEMPTED TO FLUSH 2 MORE TIMES WITHOUT SUCCESS.
11/1/2010	19:00 - 21:00	2.00	C	01		RD FRAC EQUIPMENT. RU FLOW LINES. SDFN
11/2/2010	06:00 - 06:00					NO ACTIVITY TODAY. SHUTY DOWN FOR SUNDAY
11/2/2010	07:00 - 07:30	0.50	C	18		HELD SAFETY MEETING. ON WIRELINE SAFETY. TUBING ON SLIGHT VACCUM.
	07:30 - 09:30	2.00	C	11		RU DELSCO. RIH TAGGED FILL @ 10993'. RD WIRELINE.
	09:30 - 12:00	2.50	C	04		FILLED TUBING W/ 2 BBLS. ATTEMPT TO RELEASE SEAL ASSEMBLY. TUBING STUCK. TRIED PRESSURING UP ON TUBING TO 2000 PSI STILL WOULDT RELEASE
	12:00 - 17:00	5.00	C	11		WAIT FOR AND RIG UP WIRELINE. FREEPOINT TUBING. TUBING FREE TO SEAL ASSEMBLY. RIH W/ STRING SHOT. FIRED STRING SHOT WHILE PULLING 210,000 ON TUBING STILL STUCK. ATTEMPTED TO WORK SEAL ASSEMBLY FREE. STILL NO CHANGE, PULLED TUBING TO 190,000. SECURED WELL SDFN. HELD SAFETY MEETING. ON RGGING UP AND USING CASING JACKS. 0 WELL PRESS.
11/3/2010	07:00 - 07:30	0.50	C	19		RD RIG FLOOR. UNLOADED AND RIGGED UP CSG JACKS.
	07:30 - 13:30	6.00	C	01		PULLED 287,000# ON 4 1/2 TBG. TUBING STARTED TO MOVE
	13:30 - 14:30	1.00	C	04		DRAGGING UP HOLE @ 180,000#
	14:30 - 16:30	2.00	C	01		RD CSG JACKS, RU RIG FLOOR, LD 4-JTS 4 1/2 PH-6 TUBING MOVING @ 170,000#. SECURED WELL SDFN.
11/4/2010	07:00 - 07:30	0.50	C	18		HELD SAFETY MEETING ON LAYING DOWN TUBING. 0 TSIP, 0 CSIP.
	07:30 - 17:00	9.50	C	04		LD JTS 275 OF 4 1/2" PH-6 TUBING. EOT @ 2016 SECURED WELL SDFN.
11/5/2010	07:00 - 07:30	0.50	C	18		HELD SAFETY MEETING. ON TRIPPING TUBING. 0 WELL PRESS.
	07:30 - 09:30	2.00	C	04		CONTINUED LAYING DOWN 64-JTS 4 1/2 PH6. AND SEAL ASSEMBLY.
11/6/2010	09:30 - 10:30	1.00	C	04		PU AND TALLIED 3 5/8 BIT, BIT SUB, JTS 2 3/8 N-80 EUE TBG.
	07:00 - 07:30	0.50	C	18		HELD SAFETY MEETING ON POWER SWIVEL. 0 WELL PRESSURE
	07:30 - 09:30	2.00	C	04		RIH W/ 46-JTS 2 7/8 N-80 EUE TBG. TAGGED SAND @ 10975' RU POWER SWIVEL. AND PUMP LINES
	09:30 - 16:30	7.00	C	13		PUMPED 10 BBLS DOWN CSG GOT CIRC. WASHED SAND FROM 10975' TO @ 11700' PUMPING 3 BPM @ 600 PSI AND RETURNING 3 BPM. CIRCULATRD TUBING CLEAN W/ 90 BBLS.
	16:30 - 17:30	1.00	C	04		HUNG POWER SWIVEL IN DERRICK. TOOH W/ 30-JTS 2 7/8 N-80 EUE TBG, EOT 10768'. SECURED WELL SDFN.
11/7/2010	07:00 - 07:30	0.50	C	18		NO WATER LOSS HELD SAFETY MEETING. 0 TSIP, 0 CSIP.

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EL PASO PRODUCTION
Operations Summary Report

Page 3 of 3

Legal Well Name: BOURNAKIS 3-18B4
Common Well Name: BOURNAKIS 3-18B4
Event Name: RECOMPLETION
Contractor Name: BASIC ENERGY SERVICES
Rig Name: BASIC

Start: 10/25/2010
Rig Release: 11/10/2010
Rig Number: 1584
Spud Date: 1/8/2009
End: 11/10/2010
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/7/2010	07:30 - 09:00	1.50	C	04		RIH W/ 30-JTS 2 7/8 N80 EUE.TAGGED SAND @ 11700'. RU POWER SWIVEL.
	09:00 - 16:00	7.00	C	13		WASHED SAND DOWN TO PLUG @ 12775' SLM PUMPING 4 BPM AND RETURNING 4 BPM @600 PSI. CIRCULATE TBG CLEAN. DRILLED THRU PLUG. CIRCULATE TUBING CLEAN, RACKED OUT POWER SWIVEL.
	16:00 - 18:00	2.00	C	04		CHASED PLUG TO 13252'. 3' OUT ON JT # 331.(13-JTS OUT) TOO H W/ 79-JTS 2 7/8 N-80 EUE TBG EOT @ 10752' SECURED WELL DRAINED PUMP AND LINES.SDFN
11/8/2010	06:00 - 06:00					NO RIG ACTIVITY
11/9/2010	07:00 - 07:30	0.50	C	18		HOLD SAFETY MEETING & fill out jsa
	07:30 - 09:00	1.50	C	04		TIH W/ 79 JTS 2-7/8"EUE TBG. RU POWER SWIVEL
	09:00 - 11:30	2.50	C	13		BREAK CIRCULATION & CLEAN OUT SAND FROM 13252' TO 13378'.
	11:30 - 13:00	1.50	C	08		CIRCULATE WELL CLEAN.
	13:00 - 17:30	4.50	C	04		TOOH W/ CLEAN OUT ASSEMBLY LAYING DOWN 68 JTS YELLOW BAND TBG & 83 JTS 2-3/8" EUE TBG. SDFN
11/10/2010	07:00 - 07:30	0.50	C	18		HOPLD SAFETY MEETING & FILL OUT JSA.
	07:30 - 10:00	2.50	C	04		TIH W/ NO/GO, SOLID PLUG, 2 JTS 2-7/8"EUE TBG, PBGA, SEAT NIPPLE, 7 JTS 2-7/8"EUE TBG, TAC & 260 JTS 2-7/8"EUETBG.
	10:00 - 10:30	0.50	C	15		ND BOP
	10:30 - 11:00	0.50	C	10		NU WELL HEAD
	11:00 - 14:30	3.50	C	04		FLUSH TBG W/ 55 BBLS 2% KCL WTR. DROP STANDING VALVE. PUMP 50 BBLS 2% KCL WTR. PRESSURE TEST TBG TO 1000 PSI. TIH W/ PLUNGER ASSEMBLY, 18 1" RODS, 104 3/4" RODS,135 7/8" RODS& 85 1" RODS. SPACE OUT W/ 2' & 8' X 1" PONY RODS & 40' POLISH ROD. STROKE TEST PUMP TO 1000 PSI. OK
	14:30 - 17:00	2.50	C	01		RD RIG. SLIDE PUMPING UNIT. PWOP.
						12386 BBLS FLUID TO RECOVER

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EL PASO E&P COMPANY, LP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana St. , Houston, TX, 77002		8. WELL NAME and NUMBER: BOURNAKIS 3-18B4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013340910000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/25/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached procedure.		
Approved by the Utah Division of Oil, Gas and Mining Date: 07/20/2011 By: <u><i>Derek Duff</i></u>		
NAME (PLEASE PRINT) Maria S. Gomez		PHONE NUMBER 713 420-5038
SIGNATURE N/A		TITLE Sr. Regulatory Analyst
DATE 7/20/2011		

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BOURNAKIS 3-18B4 RECOMPLETION SUMMARY

- POOH with rods and tubing.
- Set a CBP with wireline at approximately 12,170', above existing perforations.
- Perforate the Wasatch from approximately 11,246' – 12,108' in four stages.
- Proppant frac new Wasatch perforations in four stages with approximately a total of 20,000 gal 15% HCl and 380,000 lbs of ceramic proppant with a CBP set between stages.
- Drill out all frac CBPs and the CBP set at approximately 12,170' to open all perforations.
- Run tubing and rods and produce the well from all perforations.

7/20/2011

RECEIVED Jul. 20, 2011

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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/23/2011	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input checked="" type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Add perms"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Perforated @ 11894'-12106', 11865'-11672', 11606'-11433' & 11390'-11245' and frac treated. Please see attached daily operations summary for details.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 420-5038	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 10/11/2011	

1 General

1.1 Customer Information

Company	WESTERN
Representative	
Address	

1.2 Well Information

Well	BOURNAKIS 3-18B4		
Project	ALTAMONT FIELD	Site	BOURNAKIS 3-18B4
Rig Name/No.	NABORS DRILLING/919, KEY ENERGY/	Event	RECOMPLETE LAND
Start Date	9/16/2011	End Date	
Spud Date	1/8/2009	UWI	018-002-S 004-W 30
Active Datum	GROUND LEVEL @6,521.0ft (above Mean Sea Level)		
Afe No./Description	154846/42961 / BOURNAKIS 3-18B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/3/2011						P		84- 1" 132-7/8"--104- 3/4" - 18-- 1" POLISH ROD, PLUNGER.
	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL TO LOCTION AND SAFTEY AND JSA; RIGGING UP
	7:00 9:30	2.50	PRDHEQ	28		P		GET WELL PUMPING BY PUMPING DWN CSG. LOWING RODS TO SLIGHT TAG, FILLAND TEST TGB TO 1000 PSI.
	9:30 10:00	0.50	PRDHEQ	28		P		ROAD RIG TO 3-18B4, 10 MILES
	10:00 10:30	0.50	PRDHEQ	28		P		R/D & SLIDE ROTA-FLEX UNIT
	10:30 11:30	1.00	PRDHEQ	28		P		MIRU.
	11:30 12:00	0.50	PRDHEQ	28		P		PUMP 60 BBLS HOT % DWN CSG W/ HOT OILER
	12:00 13:00	1.00	PRDHEQ	28		P		POOH L/D POLISH ROD. PU RIH W/ 2-1"2' 4' 8' PONY RODS.
	13:00 16:00	3.00	PRDHEQ	28		P		RU WIRELINE , FIGHT PERIFFIN F/ 3600'-4500' PUMP DWN CSG W/ HOT OILLER, RIH W/ HOT OILLER , RIH SHOT HOLES IN TBG @8615"WIRELINE @ 8594' POOH R/D WIRELINE TRUCK.
9/4/2011	16:00 17:00	1.00	PRDHEQ	28		P		CREW TRAVEL.
	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TBG
	7:00 8:00	1.00	PRDHEQ	39		P		FLUSH TBG w 60 BBLS OF HOT 2% KCL ND WELL HEAD
	8:00 9:00	1.00	PRDHEQ	39		P		NU BOPE RELEASE 7" TAC
	9:00 17:00	8.00	PRDHEQ	39		P		TOH LAYING DOWN 260 JTS OF 2 7/8" LD BHA
	17:00 19:30	2.50	PRDHEQ	39		P		RDMO TURN WELL OVER TO RIGLESS RECOMPLETION
	19:30 21:00	1.50	CASPROD1	26		P		RU WIRE LINE TIH w GAUGE RING 3.700 TO 12170' TOH w LD SAME TIH w 41/2" CBP SET AT 12160' RU HEAT WAVE FILL HOLE w 305 BBLS 2% KCL TEST PLUG TO 5000 PSI HELD 30 MIN
9/5/2011	21:00 23:00	2.00	PRDHEQ	21		P		TIH w 3 1/8" PERFORATING GUNS PERFORATE FROM 11894-12106' 3SPF 23' 69 HOLES TOH w WIRELINE RD SAME SECURE WELL SDFN
								NO ACTIVITY DOWN FOR HOILDAY
9/6/2011	6:00 12:00	6.00	WBP	35		P		HAUL AND HEAT FRAC WATER
	12:00 13:00	1.00	STG04	28		P		MOL W/ STINGER WELL HEAD PROTECTION TGSM & JSA (NIPPLE UP)
	13:00 15:00	2.00	STG04	16		P		CSIP @ 400# PSIG, STING IN AND NU STINGER WELL HEAD PROTECTION, SWI CSDFN CT

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/7/2011	6:00 8:00	2.00	MIRU	01		P		MOL TGSM (RU) RU W/ BJ FRAC EQ., PRESSURE TEST LINES & EQ., CSIP @ 382 PSIG.
	8:00 9:00	1.00	STG04	35		P		FILL CASING W/ 61 BBLS BREAK DOWN STAGE 4 PERFS @ 5469 PSIG @ 18.5 BPM, TREAT W/ 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 5469 5 @ 925 10 @ 20 15 @ VAC. MX RATE @ 54 BPM MX PRES @ 6410 PSIG. SWI
	9:00 13:00	4.00	STG04	16		N		STINGERS CUPS NOT HOLDING. RD FRAC EQ., NEEDED FOR STINGER. N/D STINGER REPLACE CUPS ADD 6" EXTENSION, NU STINGER. RU BJ FRAC EQ.,
	13:00 13:30	0.50	STG04	35		N		FILL CSG 89 BBLS STINGER CUPS HOLDING. SD BJ C/NOT GET BF-7L CHEMICAL PUMP TO WORK
	13:30 14:00	0.50	STG04	18		N		REPAIR PUMP
	14:00 14:30	0.50	STG04	35		P		TREAT STAGE 4 PERFS W/ 15,000 # 100 MESH IN 1/2 & 1 PPG STAGE, & 72,029# VERSALITE 18/40 IN 1,2,&2.5 PPG STAGES. FLUSH TO TOP PERF. F.G @ .83 ISDP @ 4812 5 @ 4517, 10 @ 4245 15 @ 3885 SWI TOT WIRE LINE
	14:30 16:00	1.50	STG05	21		P		RU LONE WOLF WIRE LINE UNIT. RIH W/ 2-3/4" HSC, 15 GM CHARGES, 3 JSPF, 120* PHASING & WCS 4-1/2" CBP. SET & TEST PLUG @ 11,885, PERFORATE 11,865 TO 11,672 23 NET FT 193 GROSS FT 69 TTL SHOTS. NO PRESSURE CHANGES. SWI, TOT FRAC CREW.
	16:00 17:00	1.00	STG05	35		P		CSIP @ 2800 PSIG. BREAK DOWN STAGE 5 PERFS @ 4685 PSIG @ 3.5 BPM, TREAT W/ 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 4140 5 @ 4042 10 @ 3944 @ 3877. MX RATE @ 59.9 BPM MX PRES @ 4580 PSIG.
	17:00 17:30	0.50	STG05	35		P		TREAT STAGE 5 PERFS W/ 7,500 # 100 MESH IN 1/2 PPG STAGE, & 94,620# SINTERLITE BAUXITE & 19,520# VERSALITE 18/40 IN 1,2,3,3.5&4 PPG STAGES. FLUSH TO TOP PERF. F.G @ .83 ISDP @ 4750 5 @ 4588, 10 @ 4445 15 @ 4342 SWI TOT WIRE LINE
	17:30 19:00	1.50	STG06	21		P		RIH W/ 2-3/4" HSC, 15 GM CHARGES, 3 JSPF, 120* PHASING & WCS 4-1/2" CBP. SET & TEST PLUG @ 11,650, PERFORATE 11,606 TO 11,433 20 NET FT 173 GROSS FT 60 TTL SHOTS. NO PRESSURE CHANGES. SWIFN CSDFN CT.
9/8/2011	6:00 9:00	3.00	STG06	28		P		MOL W/ BJ,PROTECHNICS,LONE WOLF, & STINGER TGSM & JSA'S (STAGE 6 & 7 OPERATIONS)
	9:00 10:00	1.00	STG06	35		P		BREAK DOWN STAGE 6 PERFS @ 4896 PSIG @ 5.1 BPM. TREAT STAGE 6 PERFS (11433 TO 11606) WITH 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 3683 .75 F.G, 5 @ 3446, 10 @ 3278, 15 @ 3155
	10:00 11:00	1.00	STG06	35		P		TREAT STAGE 6 PERFS W/ 3,500 # 100 MESH IN 1/2 PPG STAGE, & 53,588# VERSALITE 18/40 IN 1,2,3 PPG STAGES. FLUSH TO TOP PERF. F.G @ .78 ISDP @ 4015 5 @ 3645, 10 @ 3489 15 @ 3401 SWI TOT WIRE LINE (HAD TO CUT SAND EARLY DUE TO LOST GEL. MTR WENT OUT OF GEL TRUCK, SECONDARY LINE WAS PLUGGED)
	11:00 12:00	1.00	STG07	21		P		RU LONE WOLF WIRE LINE UNIT. RIH W/ 2-3/4" HSC, 15 GM CHARGES, 3 JSPF, 120* PHASING & WCS 4-1/2" CBP. SET & TEST PLUG @ 11,420 PERFORATE 11,390' TO 11,245 21 NET FT 221 GROSS FT 63 TTL SHOTS. NO PRESSURE CHANGES. SWI, TOT FRAC CREW.
	12:00 12:30	0.50	STG07	35		P		BREAK DOWN STAGE 7 PERFS @ 5177 PSIG @ 5.6 BPM. TREAT STAGE 7 PERFS WITH 5000 GAL 15% HCL FLUSH 10 OVER BTM PERF. ISDP @ 3455 .74 F.G, 5 @ 3213, 10 @ 3090, 15 @ 3001

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:30 13:30	1.00	STG07	35		P		TREAT STAGE 7 PERFS W/ 12,820 # 100 MESH IN 1/2 PPG STAGE, & 104,119# VERSALITE 18/40 IN 1,2,3,3.5,4 PPG STAGES. FLUSH TO TOP PERF. AVE RATE 63.6 AVE PRES @ 4608 MAX RATE @ 64 BPM, MAX PRES @ 6289, F.G @ .78 ISDP @ 4215 5 @ 3972, 10 @ 3782 15 @ 3616.
	13:30 17:30	4.00	RDMO	02		P		RIG DOWN MOL W/ BJ FRAC EQ.,
	17:30 18:30	1.00	STG07	16		P		NIPPLE DOWN STING OUT MOL W/ STINGER WELL HEAD PROTECTION.
	18:30 19:30	1.00	STG07	18		N		MOL W/ WEATHERFORD MECHANIC (BTM BLIND RAMS LEAKING) PUT BLIND RAMS IN TOP DOORS OF BOPS.
	19:30 21:00	1.50	MIRU	28		P		MOL W/ CTS COIL TBG UNIT & EQ., TGSM (DRILL OUT) RIG UP, MU PRESSURE & PULL TEST CONNECTOR. MU MTR BHA.
	21:00 6:00	9.00	CTU	10		P		RIH W/ 3-5/8" MILL & MTR, DRILL OUT CBPS @ 11,420',11650,11885' TAGGED LAST CBP 205' DEEP @ 12,365' CLEAN OUT TO 13,220' PU OFF BTM BEG TO CIRCULATE CLEAN.
9/9/2011	6:00 11:00	5.00	CTU	09		P		CIRCULATE CLEAN POOH W/ COIL L/D BHA, BLOW COIL DRY, RDMOL W/ CTS COIL TBG UNIT & EQ.
	11:00 6:00	19.00	FB	19		P		OPEN WELL ON 14/64 CHOKE @ 1150 PSIG FLOWBACK 72 MCF GAS 132 OIL 410 WTR CURRENTLY 850 PSIG ON 16/64 CHOKE
9/10/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (GROUNDING TO LOAD RACK BEFORE LOADING)
	6:30 6:00	23.50	FB	19		P		FLOWBACK 292 GAS 240 OIL 192 WTR CURRENTLY 700 PSIG ON 16/64 CHOKE
9/11/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (CHANGING CHOKES)
	6:30 6:00	23.50	FB	19		P		FLOWBACK 299 GAS 291 OIL 165 WTR CURRENTLY 175 PSIG ON 20/64 CHOKE
9/12/2011	6:00 6:30	0.50	FB	28		P		TGSM & JSA (GAUGING TANKS)
	6:30 6:00	23.50	FB	19		P		FLOWBACK 247 GAS 307 OIL 165 WTR CURRENTLY 25 PSIG ON 64/64 CHOKE
9/16/2011	13:30 16:00	2.50	MIRU	01		P		ROAD RIG TO LOC SPOT IN & RU
	16:00 17:30	1.50	PRDHEQ	16		P		PUMP 80 BBLS DWN CSG ND 10K BOP NU5K BOP X OVER TO TBG EQP RU WORK FLOOR OPEN CSG TO SALES
9/17/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM JSA (PU TBG)
	7:30 8:30	1.00	PRDHEQ	24		P		SPOT IN PIPE RACK & CAT WALK & TBG
	8:30 13:30	5.00	PRDHEQ	24		P		PUMP 80 BBLS DWN CSG PU & MU 3-5/8 MILL & BIT SUB TALLY PU 84 JTS 2-3/8 EUE N80 TBG X OVER & 197 JTS OF 2- 7/8 EUE N80 TBG
	13:30 14:00	0.50	PRDHEQ	15		P		PUMP 35 BBLS DWN TBG TO KILL WELL
	14:00 19:00	5.00	PRDHEQ	24		P		CONT PU 122 JTS TAG FILL @ 12716' POOH ABOVE LINER W/ 64 JTS EOT @ 10702 STIFN OPEN CSG TO SALES
9/18/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (RO POWER SWIVEL)
	7:30 9:00	1.50	PRDHEQ	39		P		SITP 400 PSI PUMP 50 BBLS DWN TBG TIH W/ 64 JTS 2-7/8 TBG
	9:00 11:00	2.00	PRDHEQ	10		P		RU POWER SWIVEL BREAK CIRC W/ 80 BBLS

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	11:00 17:00	6.00	PRDHEQ	10		P		CLEAN OUT BRIDGE @ 12716' SWIVEL DWN & TAG @ 12890' MADE 30' OF HOLE TO 12920'
	17:00 19:00	2.00	PRDHEQ	39		P		RD POWER SWIVEL POOH W/ 100 JTS 2-7/8 TBG EOT @ 9916' STIFN OPEN CSG TO SALES
9/19/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (TRIPPING TBG)
	7:30 12:00	4.50	PRDHEQ	39		P		SITP 100 PSI PUMP 50 BBLS DWN TBG POOH W/ 228 JTS OF 2-7/8" EUE N80 TBG X OVER 84 JTS 2-3/8 EUE N80 TBG BIT SUB & MILL
	12:00 16:00	4.00	PRDHEQ	39		P		INSPECT MILL TIH W/ 3-5/8 MILL BIT SUB 84 JTS 2-3/8 EUE N80 TBG X OVER 254 JTS 2-7/8 EUE N80 TBG EOT @ 10710' SITFN OPEN CSG TO SALES
9/20/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM JSA REVIEW (PINCH POINTS)
	7:30 8:30	1.00	PRDHEQ	15		P		SITP 100 PSI PUMP 50 BBLS DWN TBG
	8:30 9:30	1.00	PRDHEQ	39		P		RU POWER SWIVEL BREAK CIRC W/ 90 BBLS
	9:30 15:30	6.00	PRDHEQ	10		P		CLEAN OUT FROM 12920' 13173' CHANGE OUT POWER SWIVELS
	15:30 23:00	7.50	PRDHEQ	10		P		CONT CLEANING OUT TO 13370' CIRC WELL CLEAN RD POWER SWIVEL POOH W/M86 JTS STIFN OPEN CSG TO SALES
9/21/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (LD TBG)
	7:30 13:30	6.00	PRDHEQ	39		P		SIYP 0 PSI TIH W/ 80 JNTS 2-7/8 EUE N80 TBG MOL RU SLICK LINE UNIT RUN TRACER LOG FROM 12500' 10700'
	13:30 18:00	4.50	PRDHEQ	39		P		LD 64 JTS 2-7/8 TBG POOH W/ 270 JTS 2-7/8 EUE N80 TBG SITFN OPEN CSG TO SALES
9/22/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM REVIEW JSA (SLIPS & TRIPS)
	7:30 8:30	1.00	PRDHEQ	15		P		SITP 250 PSI BLOW DWN TBG CIRC WELL W/ 120 BBLS
	8:30 9:30	1.00	PRDHEQ	39		P		POOH LD 1 JT 2-7/8 EUE N80 TBG X OVER TO 2-3/8 TBG EQP LD 84 JTS 2-3/8 EUE N80 TBG BIT SUB & MILL
	9:30 12:30	3.00	PRDHEQ	39		P		PU & MU RIH W/ 5-3/4" NO GO 2-7/8" SOLID PLUG 2 JTS 2-7/8" EUE N80 TBG 4-1/2" PBGA 6' 2-7/8 EUE N80 PUP 2' 2-7/8 EUE N80 SUB MECH SEAT NIPPLE 36' TUBING PUMPCAVITY 4' 27/8" PUP 7JTS 2-7/8" EUE N80 TBG 7 " TAC 261 JTS 2-7/8" EUE N80 TBG
	12:30 13:30	1.00	PRDHEQ	16		P		RD WORK FLOOR NDBOP SET 7" TAC IN 25000 TEN LAND TBG NUWH
	13:30 15:00	1.50	PRDHEQ	18		P		FLUSH TBG W/ 60 BBLS DROP STNDING VALVE FILL TBG W/ 50 BBLS TEST TO 1000 PSI X OVER TO ROD EQP
	15:00 18:00	3.00	PRDHEQ	24		P		PU PLUNGER & PUMP ROD 18 1" RODS W/G 104 3/4" W/G 15 7/8" W/G 49 SLK PU POLISH ROD SWIFN OPEN CSG TO SALES
9/23/2011	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA (PU RODS)
	7:30 10:00	2.50	PRDHEQ	24		P		CONT PU RODS 49 7/8" SLK 1" 15 W/G 70 SLK SPACE WELL OUT W/ 6' X 1" 2' X 1" PU 1-1/2 X 36' POLISH ROD STROKE TEST TO 1000 PSI
	10:00 12:00	2.00	RDMO	02		P		RD RIG SLIDE PUMPING UNIT HANG OFF RODS PWOP RACK OUT PUMP

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2012

FROM: (Old Operator):

N3065- El Paso E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

TO: (New Operator):

N3850- EP Energy E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

COMMENTS:

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

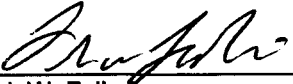
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases
2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
COUNTY:		10. FIELD AND POOL, OR WILDCAT: See Attached
STATE: UTAH		

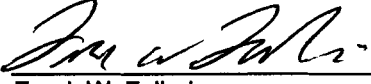
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of Name/Operator
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

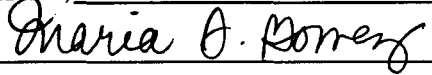
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.


Frank W. Falleri
Vice President
El Paso E&P Company, L.P.

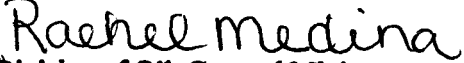

Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez	TITLE Principal Regulatory Analyst
SIGNATURE 	DATE 6/22/2012

(This space for State use only)

RECEIVED

JUN 25 2012

APPROVED 6/29/2012

Rachel Medina
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
Rachel Medina

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSKY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: BOURNAKIS 3-18B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		9. API NUMBER: 43013340910000
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/23/2015	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
OTHER: <input style="width: 100%;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Recomplete into the Wasatch/LGR. See attached for details.

Approved by the
March 23, 2015
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 3/12/2015	

Bounakis 3-18B4 Recom Summary Procedure

- POOH with Rodpump and equipment, inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Circulate & Clean wellbore
- RIH with 4 ½" 13.5# CBP, set plug at ~11,210', set 2nd plug at ~ 11,200' dump bail 10' cement on top
- Stage 1:
 - Perforate new UW interval from ~11,009' – 11,176' (OH Log Depths)
 - Prop Frac perforations with 5,000 gals 15% HCl acid, 3,000 lbs 100 mesh, & 85,000 lbs prop (STG 1 Recom)
 - RIH with 4.5"CBP & set 10' shallower than next stage.
- Stage 2:
 - Perforate new CP70 transition zone interval from ~10,835' – 10,980' (OH Log Depths)
 - Prop Frac perforations with 5,000 gals 15% HCl acid, 3,000 lbs 100 mesh, & 75,000 lbs prop (STG 2 Recom)
 - RIH with 7"CBP & set 10' shallower than next stage.
- Stage 3:
 - Perforate new LGR interval from ~10,600' – 10,792' (OH Log Depths)
 - Acid frac perforations with 20,000 Gal 15% HCl Acid (STG 3 Recom)
- Clean out well drilling up 4.5" & 7" CBP's, leaving 2 CBP w/ 10' cmt @~11,190'.
- RIH w AL equipment.
- Clean location and resume production.
- At future date, currently producing zones will be drilled out, commingled with recom, and produced with ESP



Pumping Schematic as of March 3, 2015

Company Name: **EP Energy**

Well Name: **Bournakis 3-18B4**

Field, County, State: **Altamont - Bluebell, Duchesne, Utah**

Surface Location: **Lat: 40° 18' 10.944"N Long: 110° 22' 28.0554"W**

Producing Zone(s): **Wasatch**

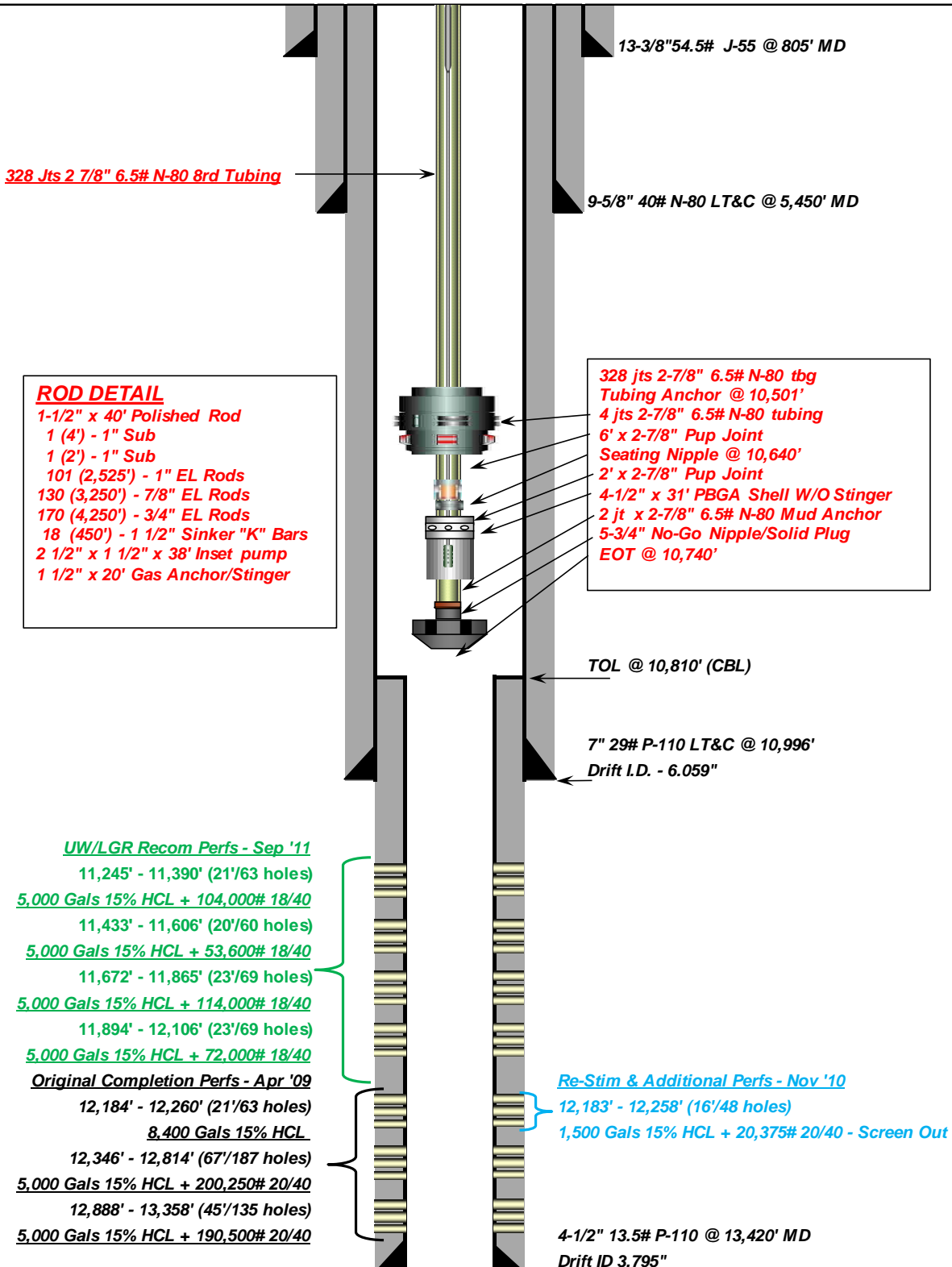
Last Updated: **March 3, 2015**

By: **Ryan Krug**

TD: **13,420'**

BHL:

Elevation:





Proposed as of March 10, 2015

Company Name: **EP Energy**

Well Name: **Bournakis 3-18B4**

Field, County, State: **Altamont - Bluebell, Duchesne, Utah**

Surface Location: **Lat: 40° 18' 10.944"N Long: 110° 22' 28.0554"W**

Producing Zone(s): **Wasatch**

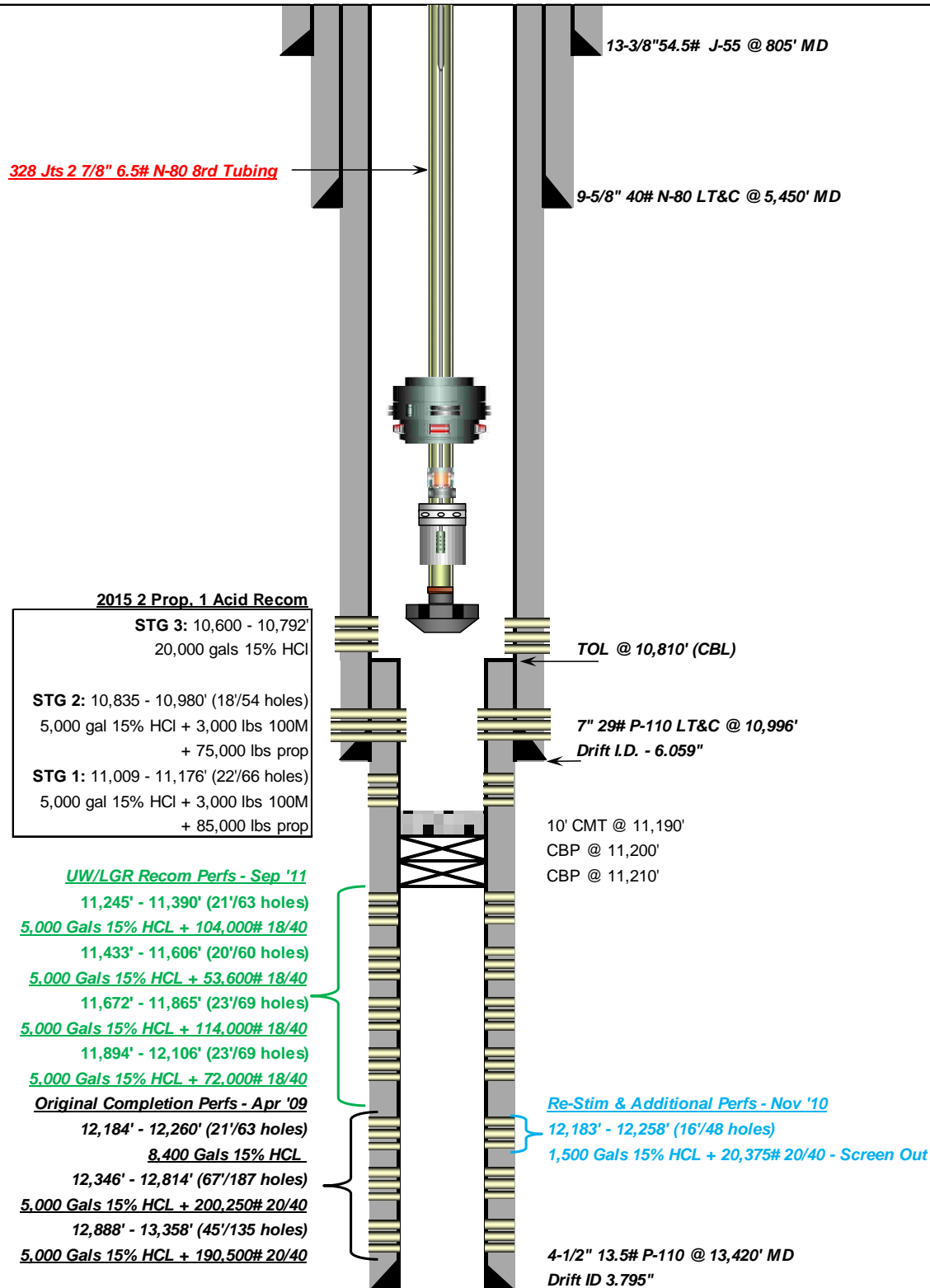
Last Updated: **March 3, 2015**

By: **Ryan Krug**

TD: **13,420'**

BHL:

Elevation:



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER:					
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
						7. UNIT or CA AGREEMENT NAME					
						8. WELL NAME and NUMBER:					
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						9. API NUMBER:					
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						10 FIELD AND POOL, OR WILDCAT					
2. NAME OF OPERATOR:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:					
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____						PHONE NUMBER: _____		12. COUNTY		13. STATE UTAH	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						17. ELEVATIONS (DF, RKB, RT, GL):					
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		21. DEPTH BRIDGE MD PLUG SET: TVD					
18. TOTAL DEPTH: MD TVD		19. PLUG BACK T.D.: MD TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)					
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)											
24. CASING AND LINER RECORD (Report all strings set in well)											
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED		
25. TUBING RECORD											
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
26. PRODUCING INTERVALS					27. PERFORATION RECORD						
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS			
(A)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.											
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL									
29. ENCLOSED ATTACHMENTS: 10598'-10787' 19500 gal 15% HCL Acid								30. WELL STATUS:			
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY			
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____					

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

CENTRAL DIVISION

ALTAMONT FIELD
BOURNAKIS 3-18B4
BOURNAKIS 3-18B4
RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	BOURNAKIS 3-18B4		
Project	ALTAMONT FIELD	Site	BOURNAKIS 3-18B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	3/23/2015	End date	4/2/2015
Spud Date/Time	1/8/2009	UWI	018-002-S 004-W 30
Active datum	KB @6,555.0ft (above Mean Sea Level)		
Afe No./Description	164542/53636 / BOURNAKIS 3-18B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
3/24/2015	6:00 7:30	1.50	MIRU	28		P		CT TGSM & JSA (MIRU EQUIPMENT)
	7:30 9:30	2.00	MIRU	01		P		SLIDE UNIT, MIRU, WORK PUMP OFF SEAT, AND FLUSH TBG & RODS W/ 65 BBLS.
	9:30 13:30	4.00	UNINARTLT	39		P		L/D P ROD & SUNS, POOH W/ 103 1" (L/D 6), 129 7/8", 170 3/4", 18 WT BARS, L/D AND RETIRE PUMP.
	13:30 20:30	7.00	UNINARTLT	39		P		C/P TO TBG EQUIPMENT, RELEASE TAC, NU TESTED 5K BOPE, RU WORK FLOOR AND SCANNING EQUIPMENT. POOH SCANNING 235 JTS (118 YELLOW,38 BLUE, 32 RED) SHUT AND LOCK PIPE RAMS, SHUT CASING VALVE, INSTALL NIGHT CAP, INSTALL AND SHUT 2 7/8" TIW VALVE, INSTALL NIGHT CAP.
3/25/2015	6:00 7:00	1.00	UNINARTLT	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; SCANNING OPERATIONS
	7:00 10:00	3.00	UNINARTLT	39		P		CONTINUE SCANNING TBG L/D BHA NO SCALE 1 MUD PLUGGED TTL SCANNED 147 YELLOW 2 7/8" TBG 146 BLUE 2 7/8" TBG 39 RED 2 7/8" TBG R/D SCANNING EQUIPMENT
	10:00 11:30	1.50	WLWORK	26		P		HSM WRITE AND REVIEW JSA TOPIC; WIRELINE OPERATIONS MIRU WIRELINE w 5K LUBRICATOR RUN 6" GAUGE RING TO LINER TOP AT 10810' TOH L/D SAME
	11:30 13:00	1.50	WLWORK	26		P		P/U 3.625 GAUGE RING TIH TO 11215' TOH L/D SAME
	13:00 14:30	1.50	WLWORK	26		P		P/U TIH SET 4 1/2" CBP AT 11220' TOH L/D SETTING TOOL START FILL CSG w 2% KCL WATER
	14:30 15:30	1.00	WLWORK	26		P		MIX AND FILL DUMP BAILER TIH DUMP 10' CMT ON CBP TOC AT 11210' TOH L/D SAME
	15:30 17:00	1.50	WLWORK	26		P		P/U TIH TO 11150' PRESSURE CSG TO 1500 PSI TIH SET 2ND 4 1/2" CBP 11210' TOH BLEED OFF PRESSURE L/D SETTING TOOL
	17:00 18:30	1.50	WLWORK	26		P		MIX AND FILL DUMP BAILER TIH DUMP 10' CMT ON CBP TOC AT 11200' TOH L/D SAME SECURE WELL 2 CBP CMT FLUID TO SUFACE CLOSE BLINE RAMS AND LOCK 7" CSG CLOSED w BULL PLUGS
3/26/2015	6:00 7:00	1.00	WHD TRE	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; ND NU TESTING CSG & FRAC STACK

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
3/27/2015	7:00 14:30	7.50	WHD TRE	16		P		N/D 5K BOPE N/U 7" MASTER FRAC VALVE FILL CSG PRESSURE UP TO 2000 PSI 7" CSG LEAKING BLEED OF PRESSURE N/U FRAC STACK REPLACE 7" VALVE TEST CSG TO 8000 PSI HOLE AND CHART FOR 30 MIN TEST GOOD BLEED OFF PRESSURE R/U WIRELINE FLANGE TEST FRAC STACK TO 9500 PSI AND CHART FOR 30 MIN TEST GOOD
	14:30 18:00	3.50	WLWORK	21		P		P/U AND TEST 7" LUBRICATOR TEST GOOD P/U 2 3/4" GUN w 16 gm CHARGE 3 JSPF AND 120 PHASING OPEN WELL w 0 PSI TIH PERFORATE STG 1 11171' TO 11007' GUN SHORTED TOH REPAIR GUN TIH FINISH PERFORATING STG 1 CORRELATED TO THE CASED HOLE SOLUTIONS CBL/CCL/GR LOG RUN #1 4/21/2009 ENDING PRESSURE 0 PSI SECURE 7" MASTER VALVE 7" HCR TOP 7" HCR 7" CSG VALVE CLOSED 2 FLOW BACK 10K VALVE CLOSED R/U FLOW BACK LINES
	18:00 20:00	2.00	SITEPRE	18		P		HEAT WATER HAUL IN SAND SDFN
	6:00 7:00	1.00	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP
	7:00 9:30	2.50	MIRU	01		P		MIRU FRAC EQUIPMENT
	9:30 10:30	1.00	STG01	35		P		PRE-JOB SAFETY MEETING UP DATE JSA TOPIC; FRACING OPERATIONS START AND PRIME TRUCKS PRESSURE TEST PUMP AND LINES
	10:30 13:00	2.50	STG01	35		P		STAGE 1; PRESSURE TEST LINES TO 8730 PSI. OPEN WELL. SICP 215 PSI. BREAK DOWN STAGE 1 PERFORATIONS 11171' TO 11007' AT 3787 PSI 6 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 0 PSI WELL ON VACUUM F.G. .83...5 MINUTE 0 PSI. 10 MINUTE 0 PSI. 15 MINUTE 0 PSI. TREAT STAGE 1...w / 5000 GAL 15% HCL ACID FLUSH SLICK WATER PAD ADD 400# OF LOSE FLUID 20# PER BBL TO DYNAFRAC PAD 0.5# 100M SWEEP .5# TLC 30/50 1# TLC 30/50 2# TLC 30/50 3# TLC 30/50 STG FLUSH TO TOP PERF...ISDP 3541 PSI. AVG RATE 76 BPM. AVG PSI 3840 PSI. MAX PSI 5261 PSI. TTL TLC 30/50 88920# TURN OVER TO WIRELINE
	13:00 15:00	2.00	STG02	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 10986' PRESSURE ON WELL 2200 PSI PERFORATE STAGE 2 PERFORATIONS 10976' TO 10831', 18 NET FEET 54 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 100 PSI
	15:00 16:30	1.50	STG02	35		P		STAGE 2; PRESSURE TEST LINES TO 9195 PSI. OPEN WELL. SICP 40 PSI. BREAK DOWN STAGE 2 PERFORATIONS 10976'-10831' ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 2507 PSI. F.G. .66...5 MINUTE 1441 PSI. 10 MINUTE 665 PSI. 15 MINUTE 0 PSI. TREAT STAGE 2... AS PER PROCEDURE W/ 5000 GAL 15% HCL ACID FLUSH PAD 0.5# 100M SWEEP .5# TLC 30/50 1# TLC 30/50 2# TLC 30/50 3# TLC 30/50 STG FLUSH TO TOP PERF...ISDP 4074 PSI. AVG RATE 61 BPM. AVG PSI 5927 PSI. MAX PSI 7496 PSI. TTL TLC 30/50 78700# TURN OVER TO WIRELINE
	16:30 19:00	2.50	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 10797' PRESSURE ON WELL 3000 PSI PERFORATE STAGE 3 PERFORATIONS 10787' TO 10598', 21 NET FEET 63 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 1700 PSI

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	19:00 20:00	1.00	STG03	35		P		STAGE 3; PRESSURE TEST LINES TO 9195 PSI. OPEN WELL. SICP 40 PSI. BREAK DOWN STAGE 3 PERFORATIONS 10787'-10598' ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 2400 PSI. F.G. .66...5 MINUTE 2078 PSI. 10 MINUTE 1985 PSI. 15 MINUTE 1790 PSI. TREAT STAGE 3... AS PER PROCEDURE w/ 6500 GAL 15% HCL ACID FR + BRINE SPACER w BALLS (40) 6500 GAL 15% HCL ACID FR + BRINE SPACER w BALLS (40) 6500 GALS OF 15% HCL ACID STG FLUSH TO TOP PERF...ISDP 2943 PSI. AVG RATE 32 BPM. AVG PSI 3611 PSI. MAX PSI 6934 PSI. SECURE WELL CLOSE 7" MASTER 7" HCR LOCKED 7" HCR LOCKED w NIGHT CAP 7" CSG VALVE CLOSED w NIGHT CAP
	20:00 22:00	2.00	RDMO	02		P		R/D WIRELINE R/D FRAC EQUIPMENT
	21:00 3:00	6.00	FB	17		P		OPEN WELL 2200 PSI ON A 12/64 CHOKE TURN WELL OVER TO FLOW BACK WELL FLOW BACK 125 BBLS OF WATER SHUT 7" CSG VALVE 2 FLOW BACK VALVES THREE BARRIERS SDFN
3/31/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; N/D FRAC STACK N/U BOPE
	7:00 9:30	2.50	WOR	16		P		CSIP 100 PSI BLEED OFF WELL N/D FRAC STACK TO 7" MASTER VALVE N/U 5K BOPE
	9:30 16:30	7.00	WOR	39		P		HSM RIGHT AND REVIEW JSA TOPIC; RACKING TBG TRIPPING TBG OUT OF DERRICK P/U TBG...P/U 6" ROCK BIT 2 7/8" REG X 2 7/8" EUE 8RD BIT SUB TALLY AND TIH OUT OF DERRICK w 144-JTS SET CAT WALK RACK AND TALLY 210-JTS OF NEW 2 7/8" TBG CONTINUE TIH TO 10525' R/U PUMP LINES SECURE WELL TIW w NIGHT CAP BOPE CLOSE AND LOCKED 7" CSG VALVE CLOSED w NIGHT CAP 7" CSG VALVE CLOSE w 2 BLOCK VALVES CLOSE ON FLOW BACK SDFN
4/1/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; R/U POWER SWIVEL
	7:00 11:30	4.50	WOR	10		P		CSIP 50 PSI BLEED OFF WELL TIH TAG AT 10797' TMD R/U POWER SWIVEL ESTABLISH CIRC w 214 BBLS OF 2% KCL WATER DRILL 7" CBP C/O TO LINER TOP AT 10810' CIRC WELL CLEAN R/D POWER SWIVEL
	11:30 15:00	3.50	WOR	39		P		TOH w 334 JTS OF 2 7/8" TBG L/D 6" AND BIT SUB
	15:00 18:00	3.00	WOR	39		P		HSM WRITE AND REVIEW JSA TOPIC; TIH w C/O ASSEMBLY... P/U 3 5/8" ROCK BIT AND 2 3/8" REG X 2 3/8" EUE 8RD BIT SUB P/U 15 JTS OF 2 3/8" TBG CHANGE HANDLING TOOLS CONTINUE TIH w 310 JTS EOT 10493' SECURE WELL CLOSE BOPE AND LOCK TIW VALVE w NIGHT CAP 7" CSG CLOED w NIGHT CAPS
4/2/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; R/U POWER SWIVEL
	7:00 12:00	5.00	WOR	10		P		CSIP 0 PSI TSIP 0 PSI TIH TAG AT 10804' TMD R/U POWER SWIVEL FINISH DRILLING PLUG AT LINER TOP CIRC TBG CLEAN w 65 BBLS SWIVEL IN HOLE TAG 4 1/2" PLUG AT 10986' DRILL 4 1/2" CBP C/O TO 11189' TMD CIRC CLEAN R/D POWER SWIVEL
	12:00 15:30	3.50	WOR	39		P		TOH L/D 37-JTS OF 2 7/8" TBG STAND BACK 314-JTS CHANGE HANDLING TOOLS L/D 15-JTS OF 2 3/8" TBG
	15:30 18:00	2.50	WOR	39		P		HSM WRITE AND REVIEW JSA TOPIC; HYDROTESTING...MIRU HYDROTESTER P/U 5 3/4" SOLID NO-GO 2-JTS OF 2 7/8" TBG 5 1/2" PBGA 2' X 2 7/8" TBG SUB 2 7/8" PSN 6' X 2 7/8" TBG SUB 4-JTS OF 2 7/8" TBG 7" TAC SIH HYDROTEST 138- JTS OF 2 7/8" TBG TO 8500 PSI ALL JTS TEST GOOD R/D HYDROTESTER SECURE WELL CLOSE BOPE AND LOCK TIW VALVE w NIGHT CAP 7" CSG CLOED w NIGHT CAPS SDFN EOT 4622'
4/3/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TBG

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:00 9:41	2.68	WOR	39		P		CSIP 0 PSI TSIP 0 PSI FINISH TIH w 179-JTS OF 2 7/8" TBG
	9:41 11:00	1.32	WOR	16		P		HSM UPDATE JSA TOPIC; RIG DOWN FLOOR SET TAC N/D N/U WELL HEAD...RIG DOWN FLOOR SET 7" TAC AT 10266' N/D BOPE AND 7" MASTER VALVE N/U WELL HEAD
	11:00 11:56	0.93	WOR	06		P		HSM UPDATE JSA TOPIC; PUMPING OPERATIONS...FLUSH TBG w 60 BBLS OF 2% KCL WATER AND ROD CHEMICAL
	11:56 14:41	2.75	WOR	39		P		HSM UPDATE JSA TOPIC; TRIPPING RODS...P/U AND PRIME 2 1/2" X 1 1/2" X 38' RHBC PUMP 17-1 1/2" K BARS 173-3/4" RODS 130-7/8" RODS 96-1" RODS SPACE OUT PUMP w 8', 6', 2', X 1" PONY RODS
	14:41 15:30	0.82	WOR	06		P		HSM UPDATE JSA TOPIC; TESTING OPERATIONS...FILL TBG w 25 BBLS OF 2% KCL WATER TEST AND STROKE TEST TO 1000 PSI TEST GOOD
	15:30 18:30	3.00	RDMO	02		P		RDMO SLIDE UNIT TURN WELL OVER TO PRODUCTION HSM UPDATE JSA TOPIC; MOVING RIG...ROAD RIG TO DYE 3-28A1

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: BOURNAKIS 3-18B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		9. API NUMBER: 43013340910000
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/5/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="DO Plugs"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drill out CBP's @ 11210' & 11200'.

Approved by the
June 22, 2015
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 6/5/2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: BOURNAKIS 3-18B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013340910000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="DO Plugs"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/10/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drilled out plugs @ 11210'-11220'. Open perfs @ 10598'-11171' & 12184'-13358'. Cleaned out sand & scale. See attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 19, 2016

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 1/13/2016	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:00 9:41	2.68	WOR	39		P		CSIP 0 PSI TSIP 0 PSI FINISH TIH w 179-JTS OF 2 7/8" TBG
	9:41 11:00	1.32	WOR	16		P		HSM UPDATE JSA TOPIC; RIG DOWN FLOOR SET TAC N/D N/U WELL HEAD...RIG DOWN FLOOR SET 7" TAC AT 10266' N/D BOPE AND 7" MASTER VALVE N/U WELL HEAD
	11:00 11:56	0.93	WOR	06		P		HSM UPDATE JSA TOPIC; PUMPING OPERATIONS...FLUSH TBG w 60 BBLS OF 2% KCL WATER AND ROD CHEMICAL
	11:56 14:41	2.75	WOR	39		P		HSM UPDATE JSA TOPIC; TRIPPING RODS...P/U AND PRIME 2 1/2" X 1 1/2" X 38' RHBC PUMP 17-1 1/2" K BARS 173-3/4" RODS 130-7/8" RODS 96-1" RODS SPACE OUT PUMP w 8', 6', 2', 2', X 1" PONY RODS
	14:41 15:30	0.82	WOR	06		P		HSM UPDATE JSA TOPIC; TESTING OPERATIONS...FILL TBG w 25 BBLS OF 2% KCL WATER TEST AND STROKE TEST TO 1000 PSI TEST GOOD
	15:30 18:30	3.00	RDMO	02		P		RDMO SLIDE UNIT TURN WELL OVER TO PRODUCTION HSM UPDATE JSA TOPIC; MOVING RIG...ROAD RIG TO DYE 3-28A1
11/6/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; HYDROTESTING TBG
	7:00 9:40	2.67	WOR	39		P		FINISH TIH HYDROTESTING TBG ALL TBG TEST GOOD RD/ HYDROTEST TOOLS
	9:40 12:00	2.33	WOR	10		P		R/U PUMP AND LINES START FILLING CSG CONTINUE TIH w 2 7/8" TBG TAG AT 11160' R/U POWER SWIVEL
	12:00 18:30	6.50	WOR	10		P		ESTABLISH CIRC w 400 BBLS OF 2% KCL WATER C/O TO 11192' TMD DRILL 4 1/2" PLUGS AT 11210' AND 11220' C/O TO 11224' CIRC WELL CLEAN HANG BACK SWIVEL TOH w 14-JTS ABOVE TOP OF LINER EOT 10735' SECURE WELL CLOSED BOPE AND LOCK CLOSE 7" CSG VALVES AND NIGHT CAP INSTALL TIW VALVE w NIGHT CAP DRAIN PUMP AND LINES SDFN
11/7/2015	6:00 7:00	1.00	WOR	10		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 18:30	11.50	WOR	10		P		TIH w 18-JTS TAG 11468' R/U POWE SWIVEL ESTABLISH CIRC w 390 BBLS OF 2% KCL CONTINUE C/O TO 11963' CIRCULATING OUT SAND w A LITTLE SCALE CIRC WELL CLEAN R/D POWER SWIVEL TOH w 38-JTS ABOVE LINER TOP EOT 10735' SECURE WELL CLOSED BOPE AND LOCK CLOSE 7" CSG VALVES AND NIGHT CAP INSTALL TIW VALVE w NIGHT CAP DRAIN PUMP AND LINES SDFN
11/8/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 10:30	3.50	WOR	39		P		TSIP 0 PSI CSIP 0 PSI TOH w 248- JTS OF 2 7/8" TBG CHANGE HANDLING TOOLS TOH w 86-JTS OF 2 3/8" TBG L/D RB
	10:30 14:00	3.50	WOR	39		P		P/U 3 5/8" MILL BIT SUB TIH w 86-JTS OF 2 3/8" TBG CHANGE HANDLING TOOLS TIH w 286-JTS OF 2 7/8" TBG TAG AT 11963'
	14:00 18:30	4.50	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC w 455 BBLS OF 2% KCL WATER C/O TO 12137' CIRC WELL CLEAN R/D POWER SWIVEL TOH ABOVE LINER EOT 10735' SECURE WELL CLOSED BOPE AND LOCK CLOSE 7" CSG VALVES AND NIGHT CAP INSTALL TIW VALVE w NIGHT CAP DRAIN PUMP AND LINES SDFN
11/10/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON POWER SWIVEL SAFETY. FILL OPUT & REVIEW JSA.
	7:30 8:30	1.00	WOR	39		P		TIH & TAG FILL @ 12226'. RU POWER SWIVEL.
	8:30 11:00	2.50	WOR	06		P		PUMP 700 BBLS 2% KCL WTR TO BREAK CIRCULATION.
	11:00 17:30	6.50	WOR	10		P		CLEAN OUT SAND & SAND BRIDGES TO 13048'. CONTINUE SWIVELING JTS IN HOLE TO 13210'. TAGGED SOLID SAND. CONTINUE CLEANING OUT SAND TO PBD 13274' TBG MEASUREMENT.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
11/11/2015	17:30 18:30	1.00	WOR	06		P		CIRCULATE HOLE CLEAN
	18:30 19:30	1.00	WOR	39		P		RD POWER SWIVEL. POOH W/ 83 JTS TBG. SHUT WELL IN W/ BLIND RAMS CLOSED & LOCKED, TIW INSTALLED IN TBG, CLOSED & CAPPED & CSG VALVES CLOSED & CAPPED
	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA
	7:30 16:30	9.00	WOR	39		P		TIH W/ 83 JTS 2-7/8"EUE TBG. TAG PBTD @ 13274' TBG MEASURE MENT. TOOH W/ 330 JTS 2-7/8"EUE TBG, X-OVER , 86 JTS 2-3/8"EUE TBG, BIT SUB & MILL, LAYING DOWN 28 JTS 2-7/8" EUE TBG WORKSTRING & 86 JTS 2-3/8"EUE TBG WORKSTRING. TIH W/ 5-3/4"OD NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2"OD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT, 4 JTS 2-7/8"EUE TBG, TAC & 324 JTS 2-7/8"EUE TBG.
	16:30 17:00	0.50	WOR	18		P		SET TAC @ 10487' IN 25K TENSION. SN @ 10621' & EOT @ 10721'. SDFN W/ TBG HANGER LANDED IN WELLHEAD, TIW VALVE INSTALLED IN TBG CLOSED & CAPPED, CSG VALVES CLOSED & CAPPED.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		8. WELL NAME and NUMBER: BOURNAKIS 3-18B4
PHONE NUMBER: 713 997-5138 Ext		9. API NUMBER: 43013340910000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0976 FSL 1544 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 18 Township: 02.0S Range: 04.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/1/2016	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> DRILLING REPORT Report Date:	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached recompletion procedure and before and after WBD.

Approved by the
April 26, 2016
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 4/19/2016	

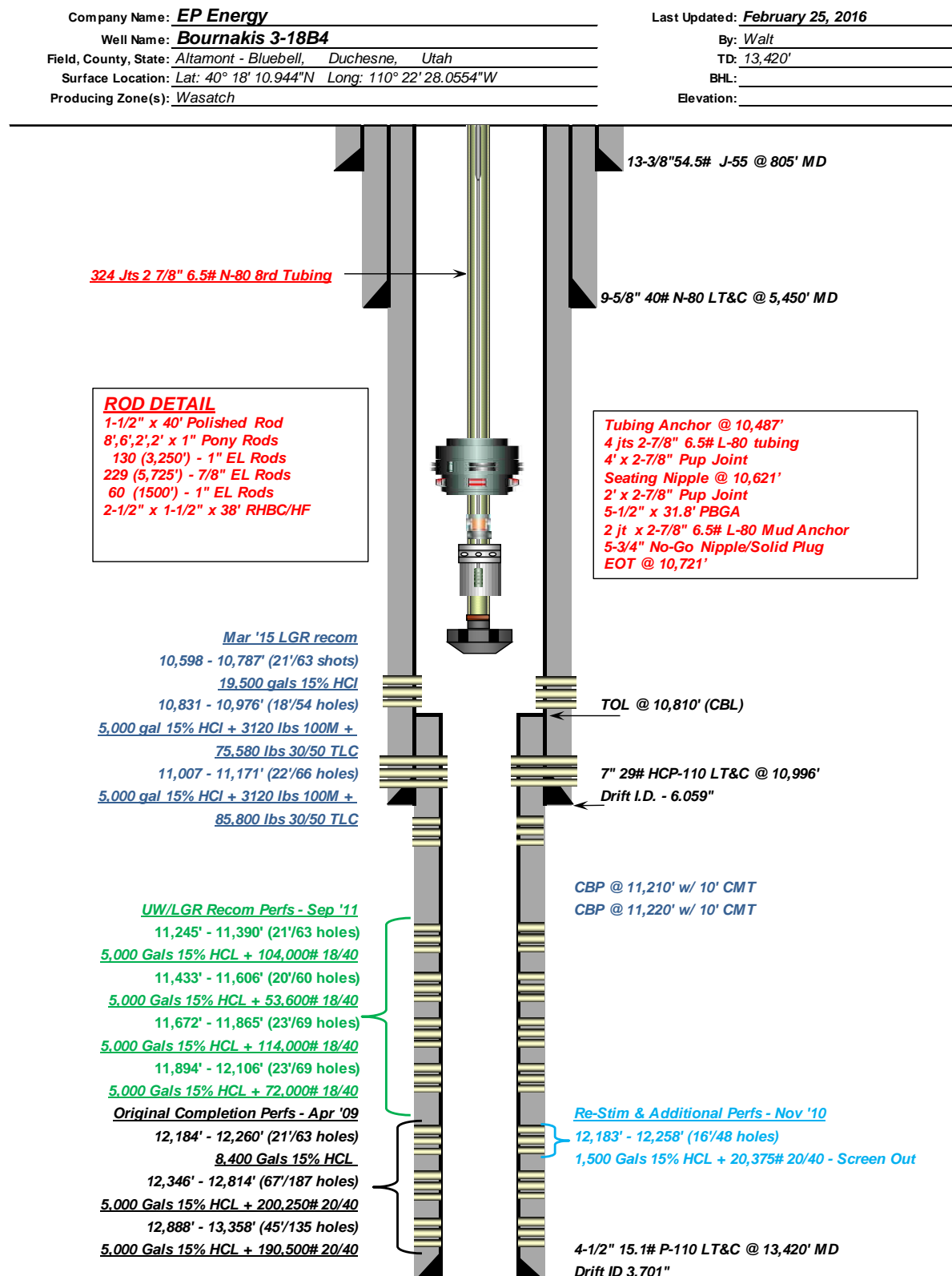
Bournakis 3-18 C4 Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Make GR run for 7" csg to 10,590'
- RIH set 10k CBP for 7" 29# casing @ **10,550'** w/ 20' cement dump bailed on plug.
- RIH set 10k Retrievable CIBP for 7" 29# casing @ **10,520'** w/ 40' sand dump bailed on plug.
- Stage 1:
 - Perforate new LGR interval from **10,242' – 10,366'**.
 - Acid frac perforations with **15,000** gals 15% HCl acid (Stage 1 Recom).
- Stage 2:
 - RIH w/ 7" CBP & set @ **10,215'**.
 - Perforate new LGR interval from **10,058' – 10,200'**.
 - Acid frac perforations with **18,000** gals 15% HCl acid (Stage 2 Recom).
- Stage 3:
 - RIH w/ 7" CBP & set @ **10,025'**.
 - Perforate new LGR interval from **9,904' – 10,010'**.
 - Acid frac perforations with **14,000** gals 15% HCl acid (Stage 3 Recom).
- Clean out well drilling up (2) 7" CBPs and pooh w/ 7" retrievable 7" CIBP, leaving 7" 10k CBP @ 10,550' w/ 20' CMT. (New PBTD @ 10,530'). Top perf BELOW plugs @ 10,598'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

Current WBS:



Current Pumping Schematic



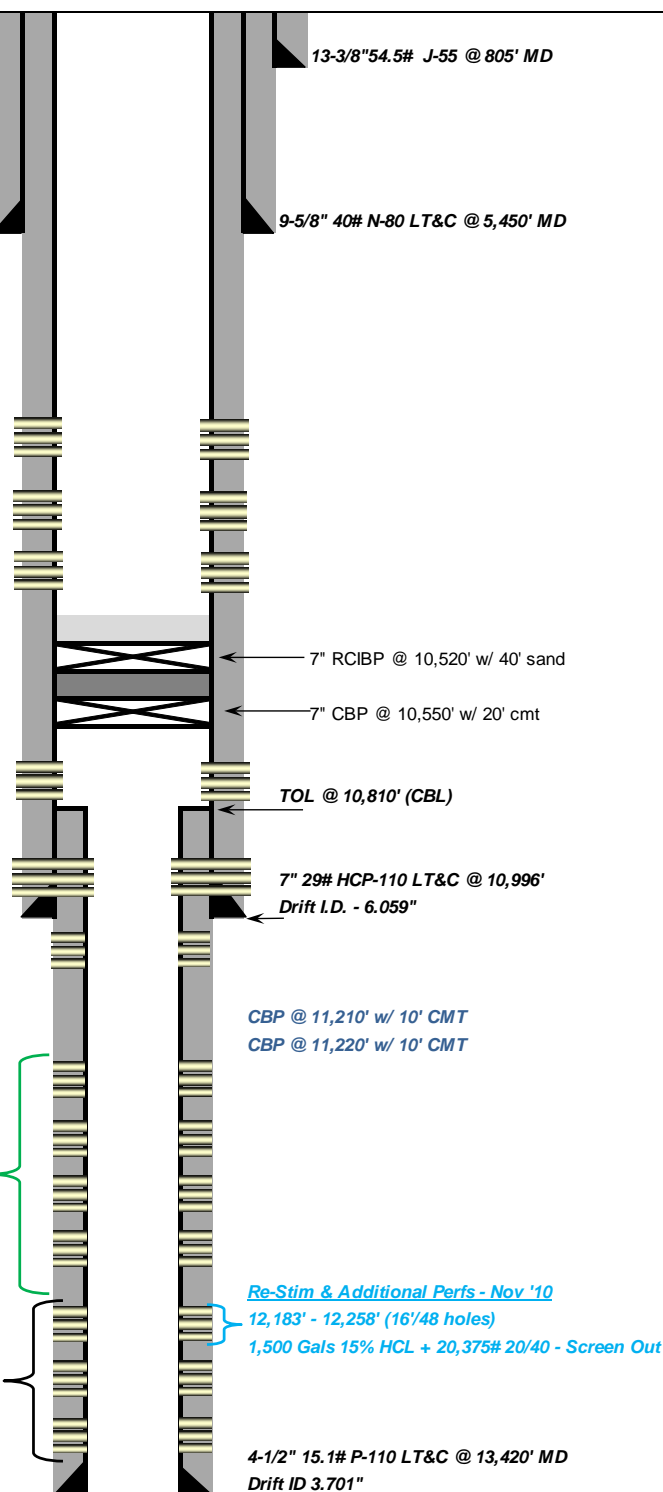
Proposed WBS:**Post Drillout Schematic**

Company Name: EP Energy	Last Updated: April 18, 2016
Well Name: Bournakis 3-18B4	By: Fondren
Field, County, State: Altamont - Bluebell, Duchesne, Utah	TD: 13,420'
Surface Location: Lat: 40° 18' 10.944"N Long: 110° 22' 28.0554"W	BHL: _____
Producing Zone(s): Wasatch	Elevation: _____

May 2016 Recom	
STG 3: 9,904'-10,010' (23'/69 holes)	14,000 gals HCL
STG 2: 10,058'-10,200' (23'/69 holes)	18,000 gals HCL
STG 1: 10,242'-10,366' (23'/69 holes)	15,000 gals HCL

Mar '15 LGR recom
 10,598' - 10,787' (21'/63 shots)
 19,500 gals 15% HCL
 10,831' - 10,976' (18'/54 holes)
 5,000 gal 15% HCL + 3120 lbs 100M +
 75,580 lbs 30/50 TLC
 11,007' - 11,171' (22'/66 holes)
 5,000 gal 15% HCL + 3120 lbs 100M +
 85,800 lbs 30/50 TLC

UW/LGR Recom Perfs - Sep '11
 11,245' - 11,390' (21'/63 holes)
 5,000 Gals 15% HCL + 104,000# 18/40
 11,433' - 11,606' (20'/60 holes)
 5,000 Gals 15% HCL + 53,600# 18/40
 11,672' - 11,865' (23'/69 holes)
 5,000 Gals 15% HCL + 114,000# 18/40
 11,894' - 12,106' (23'/69 holes)
 5,000 Gals 15% HCL + 72,000# 18/40
Original Completion Perfs - Apr '09
 12,184' - 12,260' (21'/63 holes)
 8,400 Gals 15% HCL
 12,346' - 12,814' (67'/187 holes)
 5,000 Gals 15% HCL + 200,250# 20/40
 12,888' - 13,358' (45'/135 holes)
 5,000 Gals 15% HCL + 190,500# 20/40



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECOMPLETION

AMENDED REPORT ☐
(highlight changes)

FORM 8

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:

U. S. B. & M.

12. COUNTY

13. STATE

UTAH

1a. TYPE OF WELL:

OIL WELL ☐GAS WELL ☐DRY ☐

OTHER

b. TYPE OF WORK:

NEW WELL ☐HORIZ. LATS. ☐DEEP-EN ☐RE-ENTRY ☐DIFF. RESVR. ☐

OTHER

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD

TVD

19. PLUG BACK T.D.: MD

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET:

TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED?

NO ☐YES ☐

(Submit analysis)

WAS DST RUN?

NO ☐YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☐

(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report

Form 8 Dated: _

Well Name: _

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom-MD)	Hole Size	No. of Holes	Perf. Status

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

CENTRAL DIVISION

ALTAMONT FIELD
BOURNAKIS 3-18B4
BOURNAKIS 3-18B4
RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	BOURNAKIS 3-18B4		
Project	ALTAMONT FIELD	Site	BOURNAKIS 3-18B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	5/5/2016	End date	5/16/2016
Spud Date/Time	1/8/2009	UWI	018-002-S 004-W 30
Active datum	KB @6,555.0usft (above Mean Sea Level)		
Afe No./Description	166731/56715 / BOURNAKIS 3-18B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
5/5/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 9:30	2.50	MIRU	01		P		MIRU UNSEAT PUMP FLUSH TBG w 60 BBL OF HOT 2% KCL WATER
	9:30 11:30	2.00	WOR	39		P		TOH w 130-1" RODS L/D 2 BAD RODS 229-7/8" RODS 60 1" RODS L/D PUMP
	11:30 13:30	2.00	WOR	16		P		CHANGE HANDLING TOOLS PULL 60' CAP STRING PUMP 60 BBLs HOT 2% KCL WATER DOWN CSG BARRIER 1 N/D WELL HEAD INSTALL PERFORATE TBG SUB REMOVE B FLANGE LAND ON HANGER w 2 WAY CHECK BARRIER 2 N/U AND TEST BOPE TO 5000 PSI AND CHART
	13:30 17:30	4.00	WOR	39		P		RELEASE 7" T AC TOH w 324 JTS OF 2-7/8" TBG L/D BHA R/U PUMP AND LINES SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE 7" CSG VALVES w NIGHT CAPS BARRIER 2 SDFN
5/6/2016	6:00 7:00	1.00	WLWORK	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WIRELINE OPERATIONS
	7:00 10:00	3.00	WLWORK	27		P		CSIP 50 PSI BLEED OFF WELL MIRU WIRELINE R/U AND TEST LUBRICATOR TO 4800 PSI GOOD TEST TIH w 6" GAUGE RING TO 10575' TOH L/D GAUGE RING P/U 7" CBP TIH AND SET AT 10550' TOH L/D SETTING TOOL
	10:00 17:30	7.50	WLWORK	27		P		FILL 7" CSG w 344 BBLs OF 2% KCL WATER P/U DUMP BAIL TIH DUMP BAILER 20' CMT (2 RUNS) TOH L/D BAILER TIH w 2ND CBP PRESSURE CG TO 2500 PSI ET CBP AT 10526' BLEED OFF PRESSURE TOH L/D SETTING TOOL P/U DUMP BAILER TIH DUMP BAIL 20' OF CMT (2 RUNS) TOH L/D BAILER R/D LUBRICATOR INSTALL 1502 FLANGES SECURE WELL CLOSE AND LOCK BOPE CLOSE 7" CSG VALVES w NIGHT CAP BARRIER 1 2 CBP AND CMT BARRIER 2 SDFN
5/7/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 15:06	8.10	WOR	16		P		CSIP 50 PSI BLEED OF WELL BARRIER 1 2 CBP w CMT ON EACH ONE BARRIER 2 FLUID BARRIER 3 INSTALL 2-WAY CHECK VALVE N/D BOPE N/U 7" MASTER VALVE TEST AND CHART TO 8500 PSI TEST AND CHART 7" CSG TO 6500 PSI GOOD TEST FINISH N/U AND TEST FRAC STACK TO 8500 PSI R/U FLOW BACK LINES AND TEST TO 8000 PSI GOOD TEST

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	15:06 16:30	1.40	WLWORK	21		P		P/U AND TEST LUBRICATOR TO 4500 PSI P/U 3-1/8" GUN w 22GM CHARGES 3JSPF 120 PHASING TIH PERFORATE STG 1 10360'-10240' ALL PERFORATIONS CORRELATED TO THE CASED HOLE SOLUTIONS CBL 2009-04-21 TOH L/D GUNS SECURE WELL CLOSE 7" MASTER VALVE BARRIER 1 CLOSE HCR VALVE AND LOCK BARRIER 2 CLOSE TOP HCR VALVE AND LOCK BARRIER 3 CLOSE 7" CSG VALVE BARRIER 1 INSTALL NIGHT CAPS BARRIER 2 SDFW
5/10/2016	6:00 8:00	2.00	SITEPRE	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP FRAC EQUIPMENT
	8:00 17:30	9.50	MIRU	01		P		MIRU FRAC EQUIPMENT TREAT AND HEAT WATER SDFN
5/11/2016	6:00 7:00	1.00	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS
	7:00 8:06	1.10	STG01	35		P		OFF LOAD AMD MIX ACID IN TANKS PRESSURE TEST PUMP AND LINES
	8:00 8:51	0.85	STG01	35		P		HALLIBURTON; STAGE 1; PRESSURE TEST LINES TO 8598 PSI. OPEN WELL. SICP 167 PSI. BREAK DOWN STAGE 1 PERFORATIONS 10360' TO 10240' AT 3783 PSI, PUMPING 10.4 BPM. PUMP 90 BBLs OF TREATED WATER STEP DOWN IN THREE STEPS SHUT DOWN FOR 15 MIN ISDP 2685 PSI 5MIN 2213 PSI 10 MIN 1989 PSI 15MIN 1805 PSI TREATED STAGE 1... AS PER PROCEDURE TREAT W/ 15000 GAL 15% ACID DROP 16 BIO BALL EVER 3000 GALS STG FLUSH TO BTM PERF...ISDP 2495 PSI. 5 MIN 2058 PSI 10 MIN 1786 PSI AVG RATE 50 BPM. AVG PSI 4163 PSI. MAX PSI 4563 PSI. TTL BBLs 887 TURN OVER TO WIRELINE
	8:51 11:32	2.68	STG02	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 10209' PRESSURE ON WELL 1400 PSI PERFORATE STAGE 2 PERFORATIONS 10194' TO 10054', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ALL PERFORATIONS CORRELATED TO THE CASED HOLE SOLUTIONS CBL 2009-04-21 END PRESSURE 1000 PSI
	11:32 12:42	1.17	STG02	35		P		HALLIBURTON; STAGE 2; PRESSURE TEST LINES TO 8510 PSI. OPEN WELL. SICP 865 PSI. BREAK DOWN STAGE 2 PERFORATIONS 10194' TO 10054' AT 3266 PSI, PUMPING 44 BPM. PUMP 85 BBLs OF TREATED WATER STEP DOWN IN THREE STEPS SHUT DOWN FOR 15 MIN ISDP 1971 PSI 5MIN 1315 PSI 10 MIN 1180 PSI 15MIN 1115 PSI TREATED STAGE 2... AS PER PROCEDURE TREAT W/ 18000 GAL 15% ACID DROP 20 BIO BALL EVER 3600 GALS STG FLUSH TO BTM PERF...ISDP 1972 PSI. 5 MIN 1552 PSI 10 MIN 1360 PSI AVG RATE 50 BPM. AVG PSI 3835 PSI. MAX PSI 3923 PSI. TTL BBLs 939 TURN OVER TO WIRELINE
	12:42 14:42	2.00	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 10017' PRESSURE ON WELL 1000 PSI PERFORATE STAGE 3 PERFORATIONS 10002' TO 9900', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ALL PERFORATIONS CORRELATED TO THE CASED HOLE SOLUTIONS CBL 2009-04-21 END PRESSURE 700 PSI
	14:42 15:30	0.80	STG03	35		P		HALLIBURTON; STAGE 3; PRESSURE TEST LINES TO 8520 PSI. OPEN WELL. SICP 515 PSI. BREAK DOWN STAGE 3 PERFORATIONS 10002' TO 9900' AT 1982 PSI, PUMPING 30 BPM. PUMP 85 BBLs OF TREATED WATER STEP DOWN IN THREE STEPS SHUT DOWN FOR 15 MIN ISDP 1607 PSI 5MIN 946 PSI 10 MIN 803 PSI 15MIN 731 PSI TREATED STAGE 3... AS PER PROCEDURE TREAT W/ 14000 GAL 15% ACID DROP 4 BIO BALL EVER 2800 GALS STG FLUSH TO BTM PERF...ISDP 2012 PSI. 5 MIN 1510 PSI 10 MIN 1310 PSI AVG RATE 29 BPM. AVG PSI 2211 PSI. MAX PSI 3064 PSI. TTL BBLs 906 SHUT IN 1284 PSI
	15:30 18:30	3.00	RDMO	02		P		RDMO WIRELINE RDMO FRAC EQUIPMENT

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	18:30 6:00	11.50	FB	17		P		OPEN WELL ON A 12/64 CHOCK TURN WELL OVER TO FLOWBACK...FLOW BACK 240 BBLS OF WATER 0 BBLS OF OIL 0 GAS 240 PSI ON A 12/64 CHOCK
5/12/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 10:00	3.00	WOR	16		P		N/D FRAC STACK TO BTM HCR VALVE CONTINUE FLOW BACK 240 PSI ON A 14/64 CHOCK TURN WELL OVER TO FLOW BACK
	10:00 6:00	20.00	FB	17		P		FLOW BACK WELL 0 BBLS OF OIL 597 BBLS OF WATER 0 GAS OPEN CHOCK 60 PSI
5/13/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 11:00	4.00	WOR	16		P		KILL WELL w 100 BBLS OF 9.9# BRINE WATER BARRIER 1 WELL LAID DEAD FOR 10 MIN 7" MASTER VALVE BARRIER 2 N/D BTM HCR N/U AND TEST BOPE
	11:00 16:30	5.50	WOR	39		P		P/U 6" BIT AND BIT SUB TALLY AND TIH w 310 JTS OF 2-7/8" TBG TAG PLUG L/D 16-JTS
	16:30 19:00	2.50	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC w 55 BBLS OF 2% KCL WATER DRILL PLUG AT 10017' C/O TO 10028' CIRC CLEAN KILL TBG w 20 BBLS OF BRINE WATER HANG BACK SWIVEL TOH w 10-JTS EOT 9705' SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE 7" CSG VALVES w NIGHT CAPS INSTALL TIW VALVE BARRIER 1 w NIGHT CAPS BARRIER 2 SDFN
5/14/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 12:21	5.35	WOR	10		P		TSIP 0 PSI CSIP ON VACUUM TIH w 11-JTS TAG PLUG AT 10209' R/U POWER SWIVEL ESTABLISH CIRC w 40 BBLS OF 2% KCL WATER DRILL 2ND CBP C/O 10508' TMD CIRC CLEAN R/D POWER SWIVEL
	12:21 16:43	4.37	WOR	39		P		TOH L/D 75-JTS OF 2-7/8" TBG STAND BACK 130-JTS KILL WELL w 100 BBLS OF BRINE WATER CONTINUE STAND BACK 132-JTS OF 2-7/8" TBG L/D 1 JT L/D BIT SUB AND BIT
	16:43 18:00	1.28	WOR	39		P		P/U 5-3/4" NO-GO 2-JTS OF 2-7/8" TBG 5-1/2" PBGA 2" X 2-7/8" TBG SUB 2' X 2-7/8" TBG SUB MACH PSN PUMP BARREL 4' X 2-7/8" TBG SUB 4-JTS OF 2-7/8" TBG 7" TAC TIH w 149-JTS OF 2-7/8" TBG EOT 5082' SECURE WELL CLOSE AND LOCK BOPE BARRIER 1 CLOSE 7" CSG VALVES w NIGHT CAPS INSTALL TIW VALVE BARRIER 1 w NIGHT CAPS BARRIER 2 SDFN
5/15/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 8:37	1.62	WOR	39		P		CONTINUE TIH w 108-JTS OF 2-7/8" P/U HANGER LAND TBG BARRIER 1
	8:37 14:30	5.88	WOR	39		P		CHANGE HANDLING TOOLS TO 3-1/2" TBG CHANGE RAM BLOCKS FOR 3-1/2" TBG AND TEST TO 4000 PSI w HOT OIL TRUCK PULL HANGER P/U TIH w 62-JTS OF 3-1/2" 9.3# L-80 SET 7" TAC AT 10218' w 25K TENSION LAND 3 1/2" TBG
	14:30 17:30	3.00	WOR	39		P		N/D BOPE N/D 7" MASTER VALVE PULL HANGER LAND TBG w B-FLANGE N/U WELL SECURE WELL INSTALL BULL PLUG BARRIER 1 CLOSE 7" CAS VALVES w NIGHT CAPS SDFN
5/17/2016	6:00 8:00	2.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	8:00 9:41	1.68	WOR	39		P		TSIP 0 PSI CSIP 150 PSI BLEED OFF WELL PUMP 20 BBLS OF HOT 2% KCL WATER DOWN TBG DROP STANDING VALVE AND ROD CHEMICAL FLUSH w 45 BBLS SEAT STANDING VALVE
	9:41 16:10	6.48	WOR	39		P		P/U 2-1/4" PLUNGER 1-2' X 1" w/g PONY 40 POLISH ROD TIH w 60-1" RODS TOH L/D 20-1" RODS P/U 3/4" RODS SLK TIH w 229-7/8" RODS TOH L/D 80-7/8" RODS TIH w 128-1" P/U 15-1" TIH P/U 68-1-1/8" RODS SPACE OUT PUMP w 8' x 1-1/8" 2-2' x 1-1/8" PONY RODS FILL TBG w 1 BBLS OF 2% KCL TEST AND STROCK TEST TO 1000 PSI GOOD TEST

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activit y Code	Sub	OP Code	MD from (usft)	Operation
	16:10 18:00	1.83	WOR	06		P		RDMO SLIDE ROTOFLEX HANG OFF RODS ATTEMPT TO START UNIT BLOWED A FUSE ON POWER POLE MOON LAKE ELC REPLACED FUSE START UNIT TURN WELL OVER TO PRODUCTION